

DOUGLAS FIR DOORS

Standard Design & Specifications

Approved by the

FIR DOOR INSTITUTE





CATALOG NO. 2000

★
DOUGLAS FIR DOORS

Standard Designs & Specifications

Adopted by the
FIR DOOR INSTITUTE



INCLUDING

U. S. Commercial Standard CS73-38
Tru-Fit Douglas Fir Entrance Doors
Stock Douglas Fir House Doors
Storm Doors, Sidelights, Cupboard Doors
Standard Douglas Fir Garage Doors
Panel and Sash Design Craw-Fir-Doors

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by

FIR DOOR INSTITUTE

TACOMA, WASHINGTON

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OLD GROWTH DOUGLAS FIR STANDARD STOCK DOORS¹

COMMERCIAL STANDARD CS73-38*(Effective for new production on June 30, 1938)***PURPOSE**

1. This standard is a basis for common understanding between manufacturers, distributors, and users of stock fir doors. By its general acceptance, use, and certification by labels it is hoped to increase interest in the manufacture, sale, and use of fir doors manufactured to standard grades, to the mutual advantage of all concerned.

2. In the development of these standards there is no desire to suppress architectural expression and custom made doors will still be available from the usual sources. However, the establishment of construction standards, together with universally accepted sizes and layouts, should prove highly advantageous by eliminating the causes of many misunderstandings occurring through the lack of standards, and produce economies in manufacture and sale which should be shared by the ultimate home owner.

SCOPE

3. This standard provides minimum specifications for grades of stock fir doors in four thicknesses, $\frac{3}{4}$, $1\frac{1}{8}$, $1\frac{3}{8}$, and $1\frac{3}{4}$ inches. It covers construction, defects, and the grading tolerances for these requirements. There are standard stock layouts and designs covered in door sizes ranging as follows, and in accordance with detailed schedules of Douglas fir stock door list as shown in index.

Cupboard doors	-----1'0"×1'6" to 2'0"×6'0"
Sidelights	-----1'0"×6'8" to 1'6"×7'0"
House doors	-----1'6"×6'0" to 3'6"×8'0"
Garage doors	-----2'0"×7'0" to 4'0"×8'0"

GENERAL REQUIREMENTS

4. All commercial standard fir doors shall meet the following general requirements.

5. *Material*.—Doors shall be made of kiln-dried, old-growth Douglas fir.

6. *Workmanship*.—Doors shall be well manufactured and machined, and both faces shall have flat surfaces; that is, with stiles, rails, and panels smoothly sanded.

¹ Old growth Douglas fir is a term generally applied to distinguish the wood developed in the later stages of the tree's growth. It is generally free from knots; of medium density with fairly close, uniformly spaced growth rings; and usually of uniform light yellowish or pinkish color. Contrasted to this is the early growth sometimes referred to as red fir, which, while of the same species and perhaps of the same tree, is generally knotty; of low density with wide and sometimes irregular growth rings; and usually a red color.

7. *Construction*.—Doors shall be assembled by what is known as “dowelled construction”; that is, stiles and rails to be bored to receive fir dowels not less than $\frac{3}{8}$ inch in diameter by 5 inches long for doors $\frac{3}{4}$ inch thick, and not less than $\frac{5}{8}$ inch in diameter by 5 inches long for doors $1\frac{1}{8}$, $1\frac{3}{8}$, and $1\frac{3}{4}$ inches thick. The dowels shall have glue grooves. Dowels shall be set in glue and extend approximately one-half their length into each stile and rail, and assembled under pressure. Because of the fact that all present standard door boring machines are built for $2\frac{1}{4}$ -inch dowel centers, the required number of dowels used in joining rails to stiles are therefore limited according to the width of the rails, and shall be based on a minimum number of dowels at each end of rails as follows:

Rails under $4\frac{1}{2}$ " wide	1 dowel
Rails $4\frac{1}{2}$ " to 7" wide	2 dowels
Rails over 7" wide	3 dowels

8. *Sticking*.—Three-eighths inch “bead and cove” or “ovolo” sticking shall be standard on all standard doors. “Bead and cove” sticking will be furnished, unless otherwise specified. (See fig. 1.)

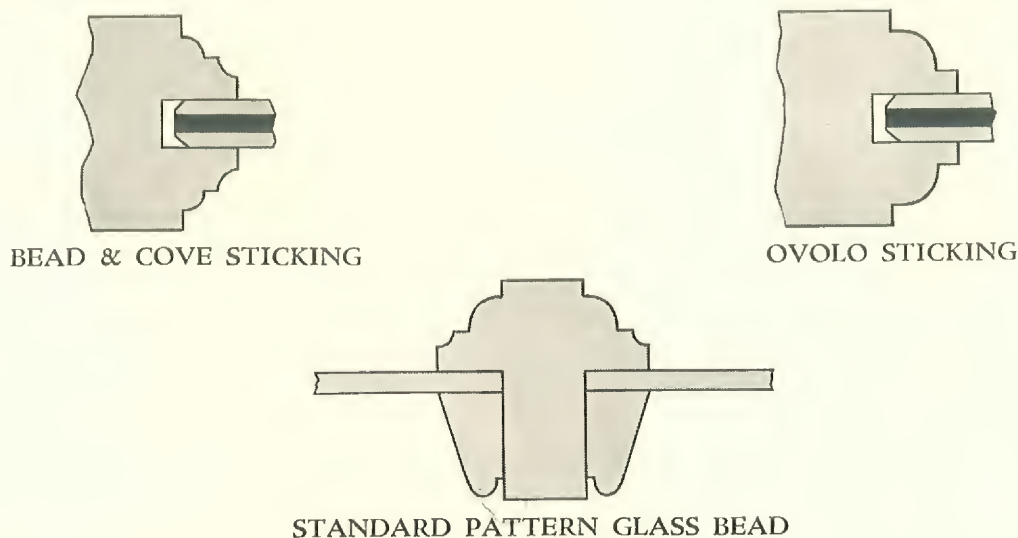


FIGURE 1.—*Sticking*

Defective sticking which may develop in machining must be carefully repaired or neatly replaced.

9. *Thicknesses*.—Doors shall be in the following thicknesses, and a thickness tolerance of minus $\frac{1}{16}$ inch shall be allowed:

Cupboard doors	$\frac{3}{4}$ " and $1\frac{1}{8}$ "
Sidelights	$1\frac{3}{8}$ " and $1\frac{3}{4}$ "
House doors	$1\frac{1}{8}$ ", $1\frac{3}{8}$ ", and $1\frac{3}{4}$ "
Garage doors	$1\frac{1}{8}$ ", $1\frac{3}{8}$ ", and $1\frac{3}{4}$ "

10. In standard practice, a length and width tolerance of plus $\frac{1}{8}$ inch shall be allowed. When so ordered, house doors will be trimmed to standard lengths with a tolerance of plus

or minus $1/32$ inch. When so trimmed, protection strips or skid blocks shall be applied to top and bottom ends.

INSPECTION AND LABELING

11. All doors guaranteed to conform to the Commercial Standard grading rules shall be grade-marked by stamp, brand, or label. All complaints involving the quality of any shipment must be made within 5 days from receipt thereof.

DETAIL REQUIREMENTS

12. Standard stock layouts and designs to which subsequent design numbers refer are to be found in the Douglas fir stock door list.

13. It is impossible to maintain absolutely arbitrary rules fixing grades, and slight variations within reason and governed by practical common sense may be expected. A shipment of any grade must represent a fair average of that grade.

14. Doors shall be graded on both sides or faces in accordance with the following standard grades. Grades *A*, *B*, and *C*, covering standard house doors, will be furnished in $1\frac{3}{8}$ - and $1\frac{3}{4}$ -inch thicknesses only. Standard sidelights, and doors of special layout or design will be furnished in grade *A* only. Cupboard doors will be furnished in *B* and better grade only. House doors $1\frac{1}{8}$ inch thick will be furnished in "millrun" grade only.

HOUSE DOORS

Grade A.—RECOMMENDED FOR PAINT OR NATURAL OR STAIN FINISH

15. *Stiles and rails.*—This stock shall be of 100-percent heartwood, all vertical grain old growth Douglas fir, the faces which must be clear, with the exception that each stile may contain one carefully repaired pitch seam on each side, provided that such pitch seam does not extend through the piece nor exceed $3\frac{1}{2}$ inches in length. Such pitch pockets shall be not over 35 inches from the bottom of the door. Bottom rail may contain one neatly repaired pitch seam the same as the stiles.

16. *Panels—flat veneered.*—The standard thickness of 3-ply flat veneered panels shall be $\frac{1}{4}$ inch after sanding. They shall be No. 1 door panel grade; that is, "Each face shall be of a single piece of smoothly cut veneer of 100-percent heartwood free from knots, splits, checks, pitch pockets, and other open defects. The faces shall be a yellow or pinkish color without stain. Shims that occur only at the ends of panels and inconspicuous well-matched small patches not to exceed $\frac{3}{8}$ inch wide by $2\frac{1}{2}$ inches long shall be admitted."

17. *Panels—solid raised.*—The standard thickness of solid raised panels shall be not more than $9/16$ inch before sanding and not less than $7/16$ inch after sanding. They shall be either all vertical or all slash grain in any one door, and shall conform to the grade of the stiles and rails.

Grade B.—RECOMMENDED PRIMARILY FOR PAINT FINISH

18. *Stiles and rails.*—This stock shall be of vertical grain faces, with some course grain permitted. It shall be sound in all respects, and may contain sap, slight stains, and burls. Stiles, bottom rails, and wide lock rails may each contain two neatly repaired pitch seams not over 9 inches in length on each side. Remaining rails and muntins may each contain not over one such defect on each side.

19. *Panels—flat veneered.*—The standard thickness of 3-ply flat veneered panels shall be $\frac{1}{4}$ " after sanding. They shall be of No. 2 door panel grade; that is, "Each face shall be of a single piece of veneer that is free of knots and other open defects, but may admit medium stain and discoloration. Patches not to exceed $\frac{5}{8}$ by $2\frac{1}{2}$ inches and shims of any size when reasonably selected for color and grain are admissible."

20. *Panels—raised.*—The standard thickness of raised panels shall be not more than $\frac{9}{16}$ inch before sanding and not less than $\frac{7}{16}$ inch after sanding. They may be either slash or mixed grain, and shall conform to the grade of the stiles and rails.

Grade C.—RECOMMENDED FOR PAINT FINISH ONLY

21. This grade shall be manufactured and sold only in the standard designs, as specifically indicated in the layout details on pages 34, 41, 42, 43, and 44.

22. *Stiles and rails.*—This stock may be of mixed grain, and may contain any amount of discolored sap or heartwood, burls, solid pitch, streaks, any number and size of repaired pitch seams, or other sound defects not otherwise permitted in the higher grades, providing it presents a solid surface. Glued-up bottom rails are permissible.

23. *Panels—flat veneered.*—The standard thickness of 3-ply flat veneered panels shall be $\frac{1}{4}$ inch after sanding. They shall be No. 3 door panel grade; that is, "Each face shall present a smooth surface suitable for painting. Discoloration, unmatched patches, shims and/or taped faces are admissible."

24. *Panels—raised.*—The standard thickness of raised panels shall be not more than $\frac{9}{16}$ inch before sanding and not less than $\frac{7}{16}$ inch after sanding. They shall conform to the grade of the stiles and rails. Two-piece, glued-up, solid panels are permissible.

MILLRUN GRADE

25. *Stiles and rails.*—This grade shall be manufactured and sold in $1\frac{1}{8}$ -inch thickness only developed and accumulated by planing down stock too thin for $1\frac{3}{8}$ -inch thickness, consequently it will include an undetermined amount of all or any of the other grades. This grade and thickness shall be confined to the following standard designs: Storm doors, cupboard doors, F5, F117, F118, F119, and F214. (See stock door list.)

26. *Panels—flat veneered.*—The standard thickness of 3-ply, flat veneered panels shall be $\frac{1}{4}$ -inch after sanding. They shall conform to the No. 2 and/or No. 3 door panel grades, described above.

27. *Panels—raised.*—The standard thickness of raised panels shall be not more than $\frac{9}{16}$ -inch before sanding, and not less than $\frac{7}{16}$ -inch after sanding. They shall conform to the grades applying to grade B and/or grade C doors, described above.

GARAGE DOORS

Manufactured primarily for paint finish in one quality only, which is described below.

28. *Stiles and rails*.—This stock shall be substantially all vertical grain, with accumulations of coarse or mixed grain permitted. It shall be sound in all respects, and may contain sap, stain, burls, pitch streaks, and neatly repaired pitch seams.

29. *Panels—flat veneered*.—The standard thickness of 3-ply flat veneered panels shall be $\frac{1}{4}$ -inch after sanding. They shall be of No. 2 door panel grade, as described under paragraph 19.

30. *Panels—solid raised*.—The standard thickness of solid raised panels shall be not more than $\frac{9}{16}$ -inch before sanding and not less than $\frac{7}{16}$ -inch after sanding. They may be vertical, slash, or mixed grain, at the option of the manufacturer, and shall conform to the grade of the stiles and rails.

31. *Batten garage doors (designs F190 and F290)*.—The stiles and battens shall have all vertical grain faces, which shall be clear, except that neatly repaired pitch seams, not to exceed 4 inches in length, and at a minimum distance of 2 feet apart either way, will be admitted on each face of the door.

DESIGNS AND LAYOUTS

32. House doors of any design narrower than 1 foot 6 inches will be furnished with stiles $\frac{3-9}{16}$ inches in width, over all, unless otherwise specified.

33. Measurements for stiles, rails, and muntins shown in layouts are over-all, including sticking. Glass measurements shown may vary slightly.

Amendment of Old Growth Douglas Fir Standard Stock Doors,

COMMERCIAL STANDARD CS73-38

Accepted by the Industry on Recommendation of the Standing Committee

Effective Date, September 29, 1939

The last sentence of paragraph 22 of the above commercial standard is amended to read as follows:

“Glued-up stiles and rails are permissible.”

DIVISION OF TRADE STANDARDS,
NATIONAL BUREAU OF STANDARDS.

TABLE 1.—DOOR SIZES (*in feet and inches*)

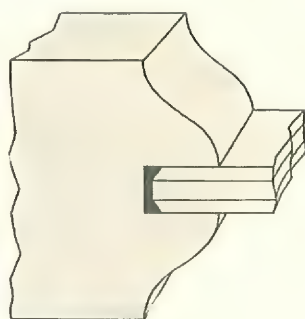
Standard sizes, cupboard doors		Standard sizes, house doors		Standard sizes, side lights
1-0×1-6	1-0×4-0	2-0×6-0	1-6×7-0	10"×6-8
1-2	1-2	2-4	1-8	1-0
1-4	1-4	2-6	1-10	1-2
1-6	1-6	2-8	2-0	1-4
1-8	1-8	3-0	2-2	1-6
1-10	1-10		2-4	
2-0	2-0	2-6×6-4	2-6	10"×6-10
			2-8	1-0
1-0×2-0	1-0×4-6	1-6×6-6	2-10	1-2
1-2	1-2	1-8	3-0	1-4
1-4	1-4	1-10	3-4	1-6
1-6	1-6	2-0	3-6	
1-8	1-8	2-2		10"×7-0
1-10	1-10	2-4	2-0×7-6	1-0
2-0	2-0	2-6	2-4	1-2
		2-8	2-6	1-4
		3-0	2-8	1-6
			2-10	
1-0×2-6	1-0×5-0	1-6×6-8	3-0	
1-2	1-2	1-8	3-4	
1-4	1-4	1-10	3-6	
1-6	1-6	2-0		
1-8	1-8	2-2	2-0×8-0	
1-10	1-10	2-4	2-4	
2-0	2-0	2-6	2-6	
		2-8	2-8	
		2-10	2-10	
1-0×3-0	1-0×5-6	3-0	3-0	
1-2	1-2		3-4	
1-4	1-4	2-0×6-10	3-6	
1-6	1-6	2-2		
1-8	1-8	2-4		
1-10	1-10	2-6		
2-0	2-0	2-8		
		2-10		
1-0×3-6	1-0×6-0	3-0		
1-2	1-2			
1-4	1-4			
1-6	1-6			
1-8	1-8			
1-10	1-10			
2-0	2-0			

STANDARD SIZES, GARAGE DOORS

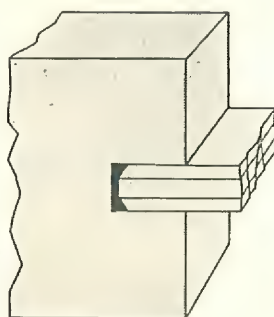
2-0×7-0	3-0×7-0	2-0×7-6	3-0×7-6	2-0×8-0	3-0×8-0
2-4	3-6	2-4	3-6	2-4	3-6
2-6	3-9	2-6	3-9	2-6	3-9
2-8	4-0	2-8	4-0	2-8	4-0

PATTERNS OF STICKING

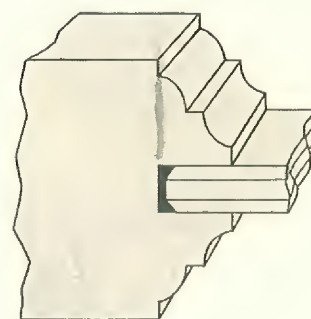
($\frac{3}{8}$ " Standard on all Stock Doors)



O G E E

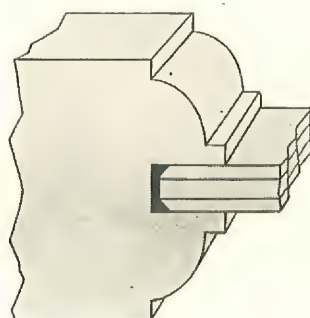


S Q U A R E

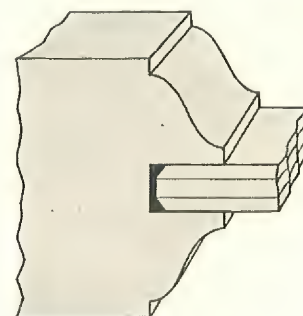


BEAD AND COVE
STANDARD STICKING

*Three-eighth inch
Bead and Cove
Sticking will be
furnished unless
ordered otherwise*

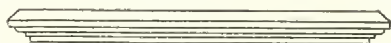


O V O L O

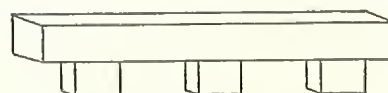


SUNK OGEE

WATERTABLES



WATERTABLE "A"
(plain watertable)



WATERTABLE "B"
(watertable with blocks)

GRADE MARKS OF FIR DOOR INSTITUTE

37. The following sets forth the grade marking rules adopted by the Fir Door Institute to preserve the high standards of quality herein recorded and to insure distributors and ultimate consumers receiving the proper grade of fir door for their specific needs:

38. All fir doors guaranteed to conform to the commercial standard grading rules shall be marked or branded with the letters "FDI" followed by the numerals designating the particular manufacturer. (The numerals 00 are used only for illustration.)

38. (a). All fir doors of *A* grade shall be stamped or branded



38 (b). All fir doors of *B* grade shall be stamped or branded



38 (c). All fir doors of *C* grade shall be stamped or branded



38 (d). All fir doors of "*Millrun*" grade shall be stamped or branded





TRU-FIT

TRADE MARK REG. U.S. PAT. OFF. PEND.

Douglas Fir Entrance Doors

Genuine Tru-Fit Douglas fir Entrance Doors are made only of specially-selected FDI "A" Grade vertical grain, all heart-wood, old growth stiles, rails and panels. These truly deluxe doors are precision-made to exact size by skilled artisans and each door bears the trade mark of quality "Tru-Fit."

Remember!

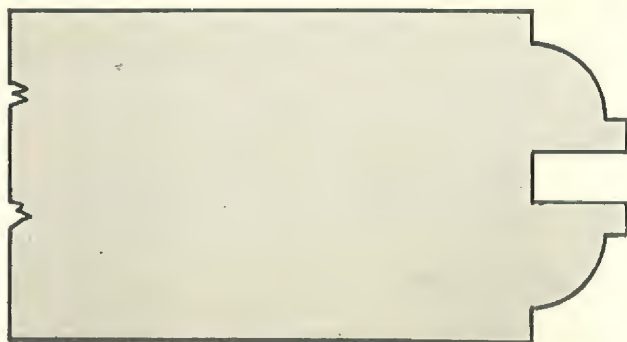
**NATURE MAKES
DOUGLAS FIR**

Durable!

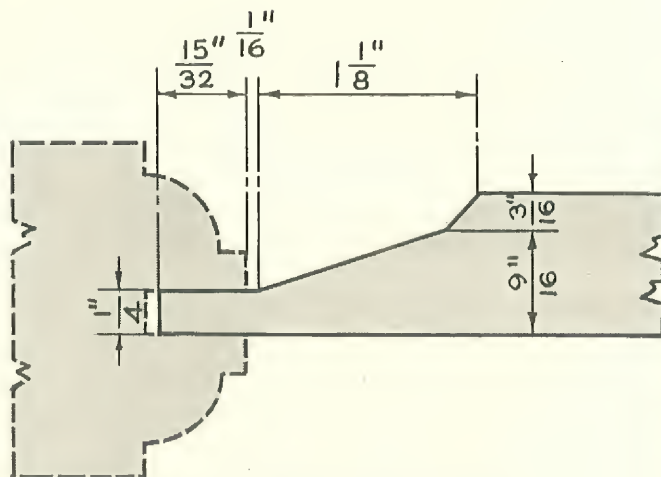
**Durable Douglas Fir Doors are made
from all-heartwood, vertical-grain,
soft, old-growth Douglas Fir.**

- EXACT SIZE
- FACTORY-FITTED
- INDIVIDUALLY PACKAGED
- SCUFF-STRIPPED
- TRADE MARKED

TRU-FIT STICKING AND PANEL DETAILS



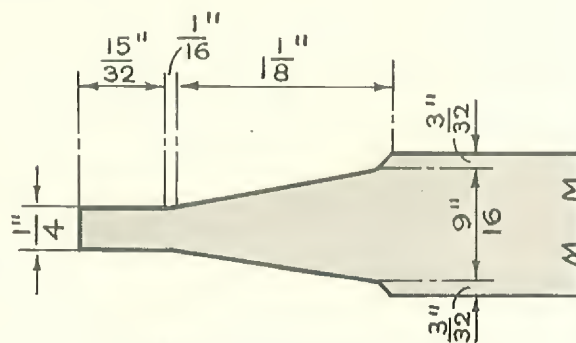
OVOLO STICKING



PANEL RAISED ONE SIDE



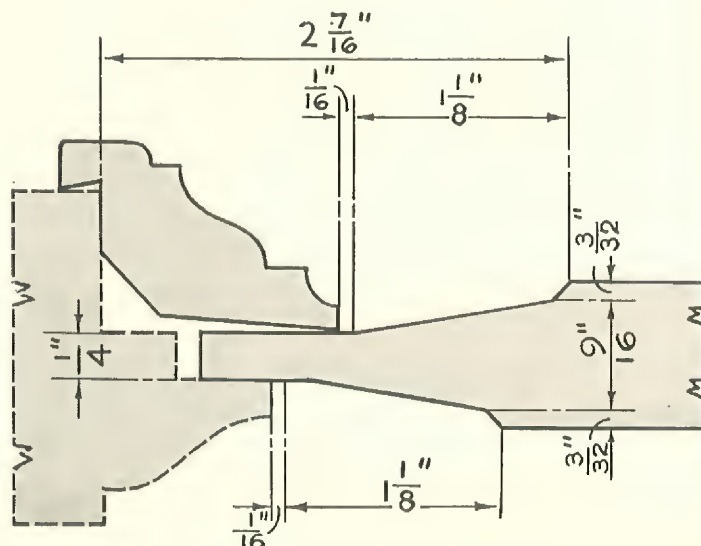
WIDE STICKING "A"



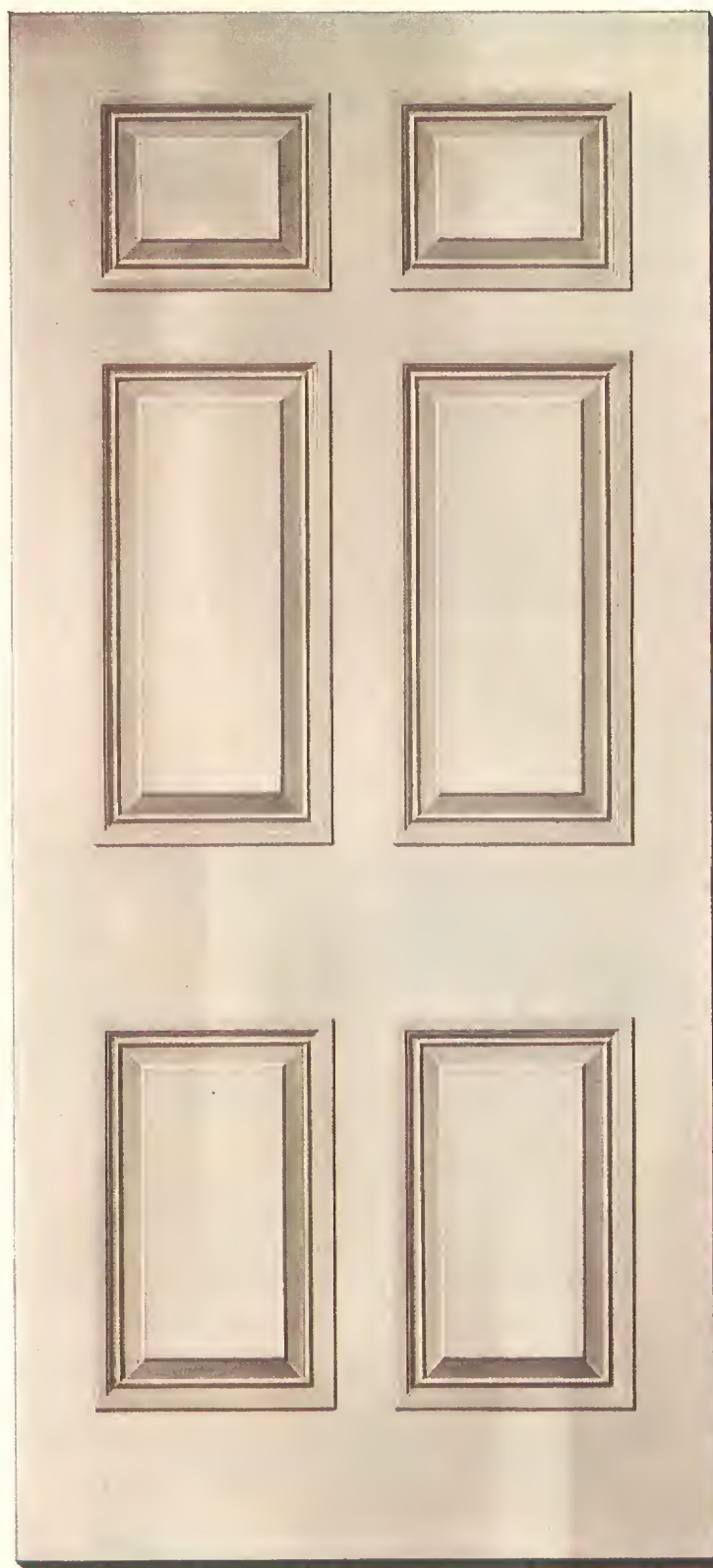
PANEL RAISED TWO SIDES



WIDE STICKING "B"

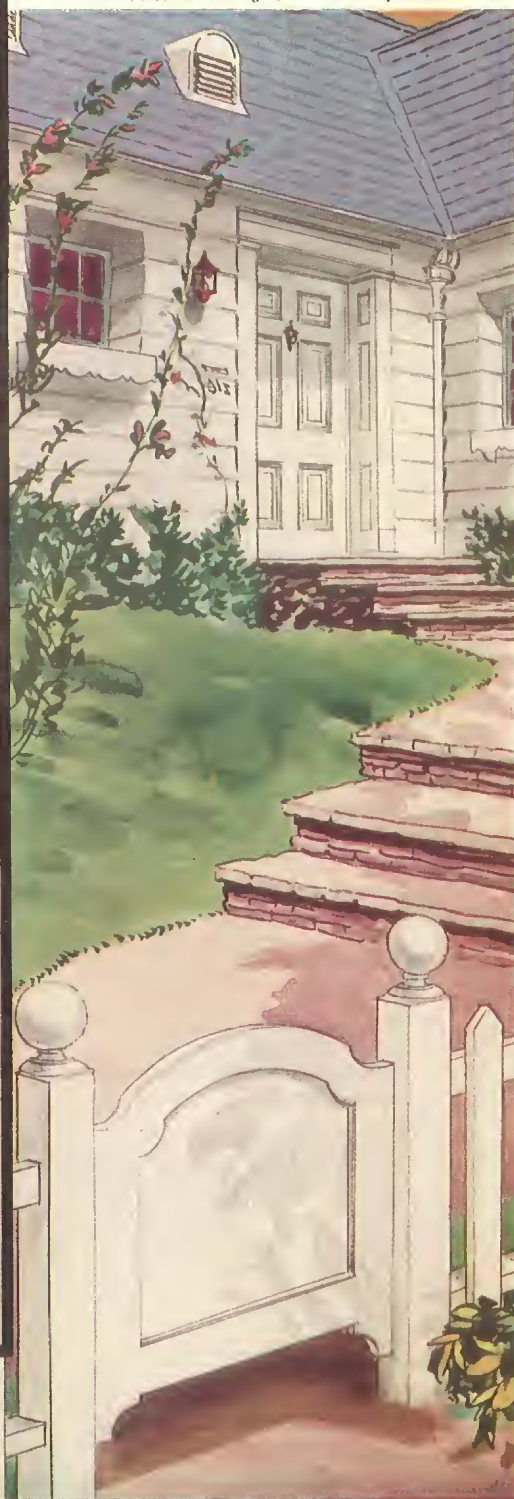


PANEL RAISED TWO SIDES
FOR RAISED MOULDINGS



FDI DESIGN 2000

STICKING-----Ovolo or Wide Sticking
 "A" or "B"
 PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS-----1 $\frac{3}{4}$ " Only
 Height floor to top of Lock Rail-----36 $\frac{3}{8}$ "
 Height top of door to bottom of Inter-
 mediate Rail-----18 $\frac{1}{2}$ "
 Raised Moulding One Side—Optional



Specifications O. A.

Stiles and Top Rail-----5 $\frac{3}{8}$ "
 Lock Rail -----11 $\frac{3}{8}$ "
 Intermediate Rail and Muntins-----5 $\frac{3}{8}$ "
 Bottom Rail -----9 $\frac{3}{8}$ "



FDI DESIGN 2080

STICKING_____Ovolo or Wide Sticking
"A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles _____5 3/8"

Top Rail _____5 3/8"

Lock Rail _____9"

Intermediate Rail _____4 1/2"

Muntins _____4 1/2"

Bottom Rail _____8"

Height top of door to top of Inter-
mediate Rail _____12 3/8"

Height from floor to top of Lock Rail 45"

FDI DESIGN 2130

STICKING_____Ovolo or Wide Sticking
"A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles _____5 3/8"

Top Rail _____5 3/8"

Lock Rail _____8"

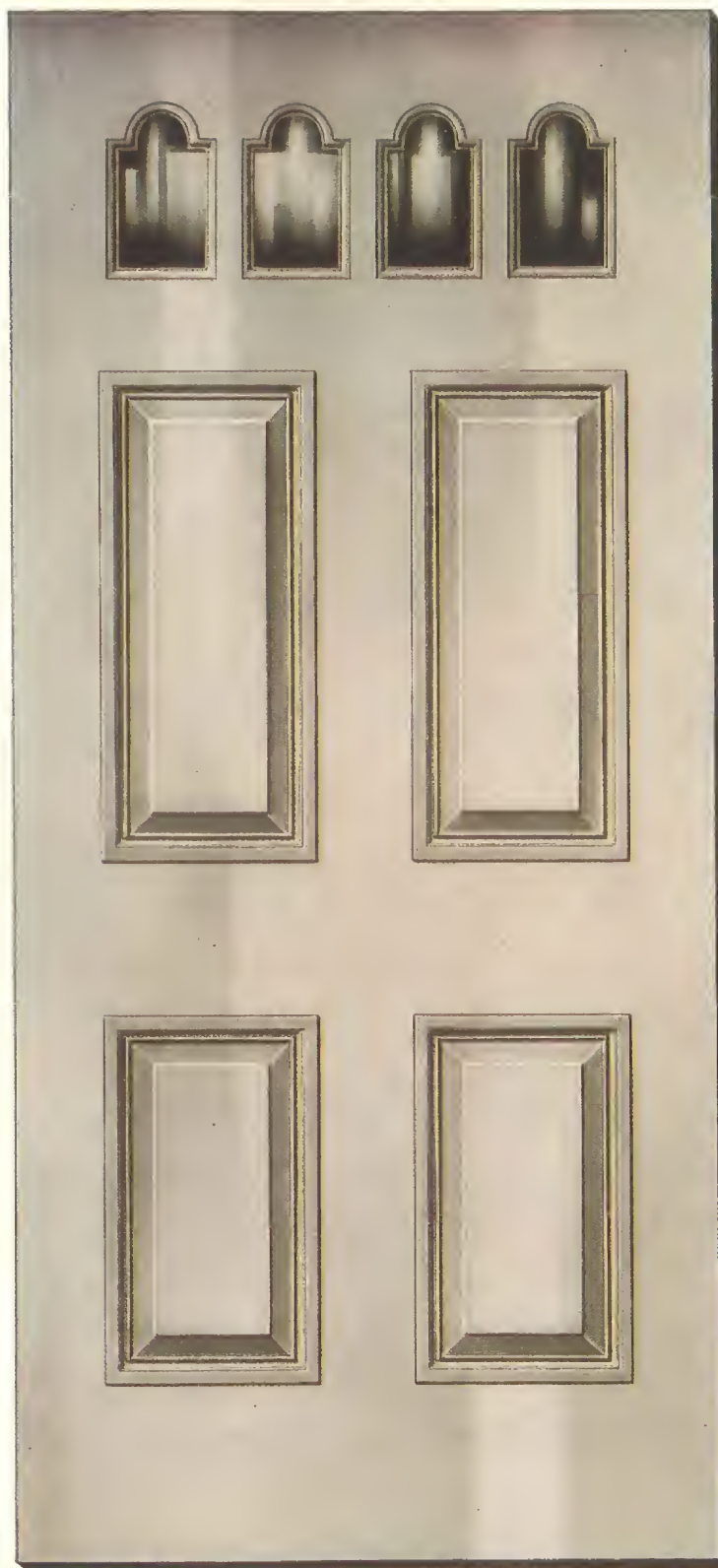
Intermediate Rail _____4 1/2"

Muntins _____4 1/2"

Bottom Rail _____9 3/8"

Height floor to top of Lock Rail 36 3/8"

Height top of door to bottom of
Intermediate Rail _____17 5/8"



FDI DESIGN 2005

STICKING_____Ovolo or Wide Sticking
 "A" or "B" around panels only. Ovolo only around
 glass. Ovolo glass beads to match sticking.
 PANELS_____3/4" Raised 1 or 2 Sides
 GLASS_____Not Furnished
 Raised Moulding Around Panels Only.
 SIZES_____3'0"x6'8" and 3'0"x7'0"
 THICKNESS_____1 3/4" Only
 Height floor to top of Lock Rail_____36 3/8"
 Height top of door to bottom of Inter-
 mediate Rail _____19"
 Raised Moulding One Side—Optional.



Specifications O. A.

Stiles_____5 3/8" Top Rail_____6 3/8"
 Lock and Bottom Rails_____9 3/8"
 Intermediate Rail and Muntins_____5 3/8"
 Between Glass _____1 3/8"



FDI DESIGN 2115

STICKING_____Ovolo or Wide Sticking
 "A" or "B" around panels only. *Ovolo only
 around glass.*

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Not Furnished

BEADS_____Ovolo to match Sticking

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles	5 3/8"
Top Rail	5 3/8"
Lock Rail	9"
Intermediate Rail	4 1/2"
Muntins	4 1/2"
Bottom Rail	8"
Bars Between Glass	1"
Height floor to top of Lock Rail	36"

FDI DESIGN 2070

STICKING_____Ovolo or Wide Sticking
 "A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Not Furnished

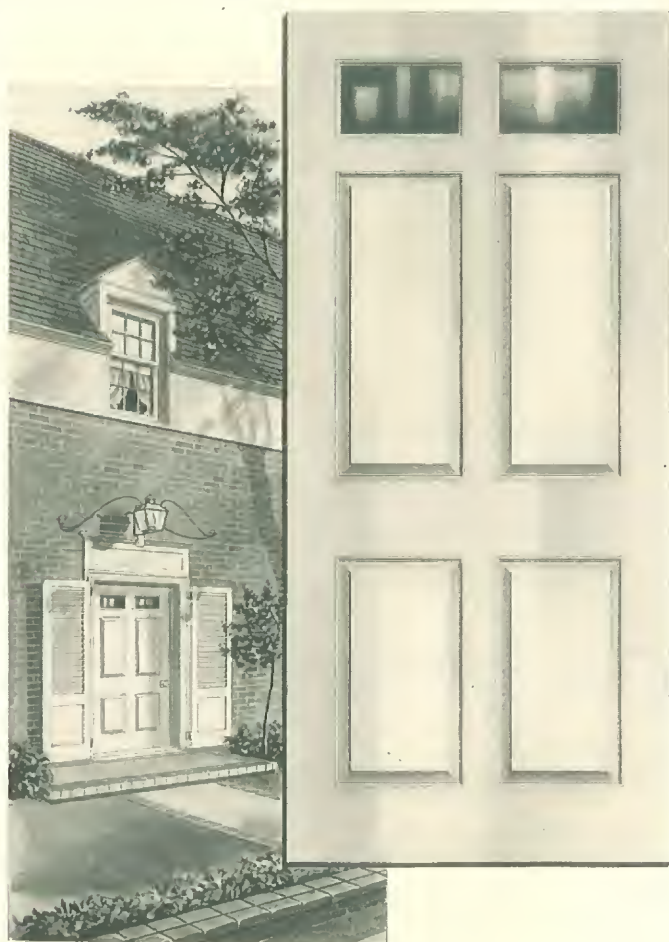
BEADS_____"L" Moulding and Bullnose
 Bead Furnished (Ovolo beads if Ovolo
 sticking).

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
Raised Moulding One Side—Optional

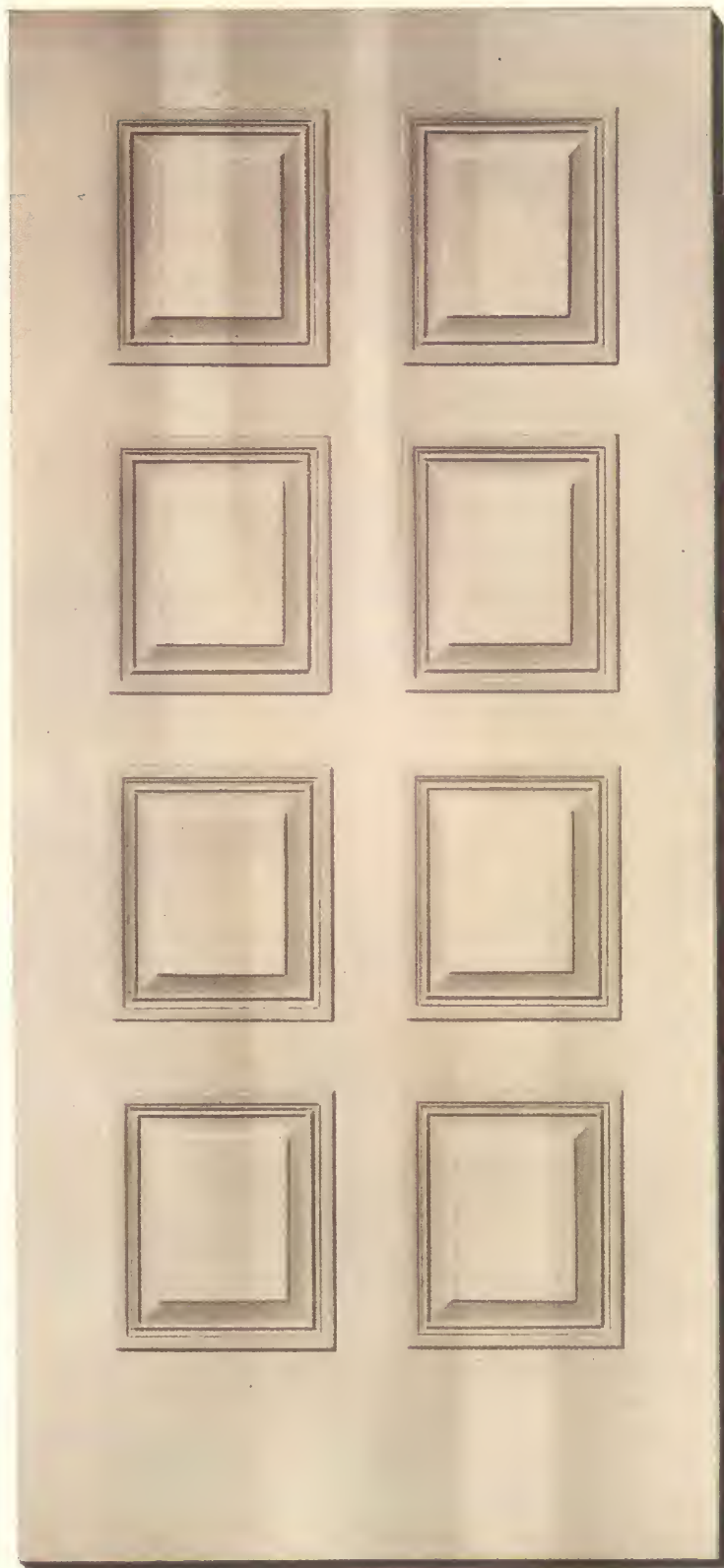
Specifications O. A.

Stiles	5 3/8"
Top Rail	5 3/8"
Lock Rail	9 3/8"
Intermediate Rail	5 3/8"
Muntins	5 3/8"
Bottom Rail	9 3/8"
Between Glass	4 5/8"
Height floor to top of Lock Rail	36 3/8"



FDI DESIGN 2010

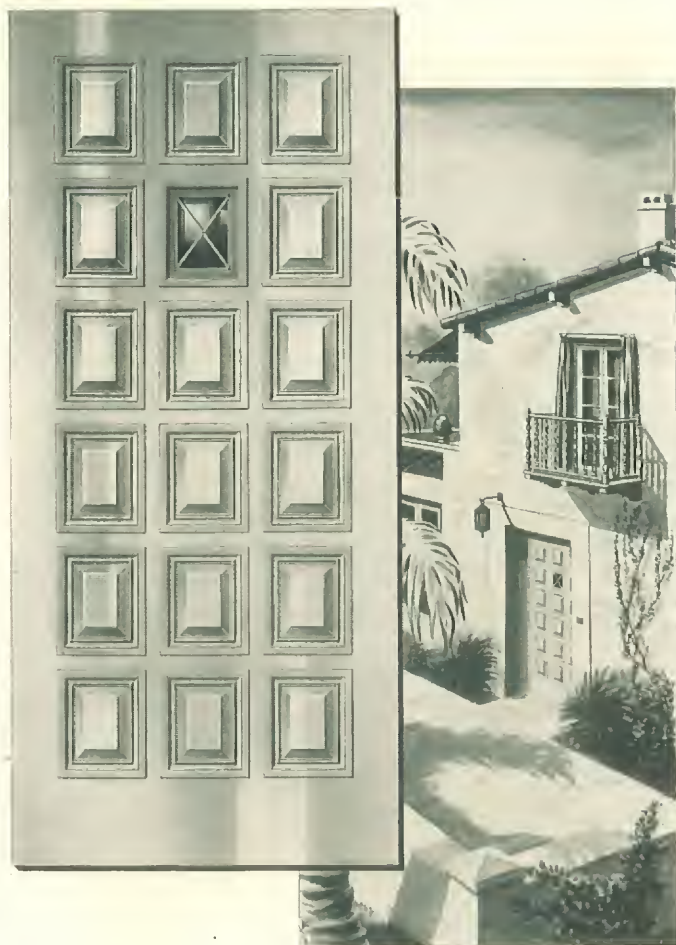
STICKING-----Ovolo or Wide Sticking
 "A" or "B"
 PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS-----1 $\frac{3}{4}$ " Only
 Raised Moulding One Side—Optional.



Specifications O. A.

Stiles, Top and Lock Rails-----5 $\frac{3}{8}$ "
 Intermediate Rail and Muntins-----5 $\frac{3}{8}$ "
 Bottom Rail -----11 $\frac{3}{8}$ "
 Panels Equal



**FDI DESIGN 2100**

STICKING----Ovolo or Wide Sticking
"A" or "B"

PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides

SIZES-----3'0"x6'8" and 3'0"x7'0"

THICKNESS----- $1\frac{3}{4}$ " Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles	----- $5\frac{3}{8}$ "
Top Rail	----- $5\frac{3}{8}$ "
Lock Rail	----- $3\frac{3}{4}$ "
Intermediate Rails	----- $3\frac{3}{4}$ "
Muntins	----- $3\frac{3}{4}$ "
Bottom Rail	----- $9\frac{3}{8}$ "

Panels Equal

FDI DESIGN 2090

STICKING----Ovolo or Wide Sticking
"A" or "B"

PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides

GLASS-----Not Furnished

BEADS---"L" Moulding and Bullnose
Bead furnished (Ovolo Beads if Ovolo
Sticking).

WICKET-SASH-----Not Furnished

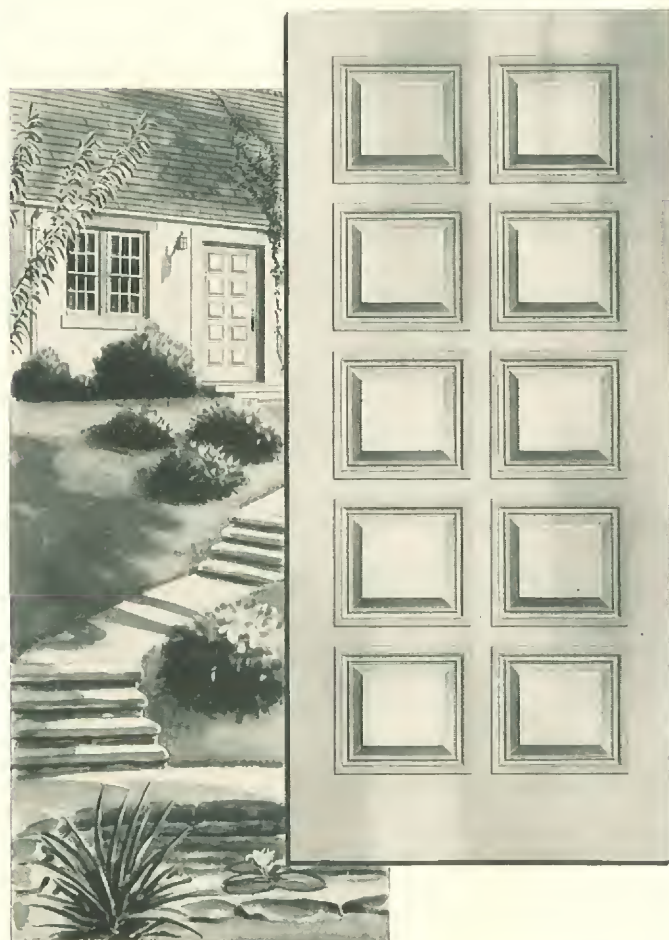
SIZES-----3'0"x6'8" and 3'0"x7'0"

THICKNESS----- $1\frac{3}{4}$ " Only
Raised Moulding One Side—Optional

Specifications O. A.

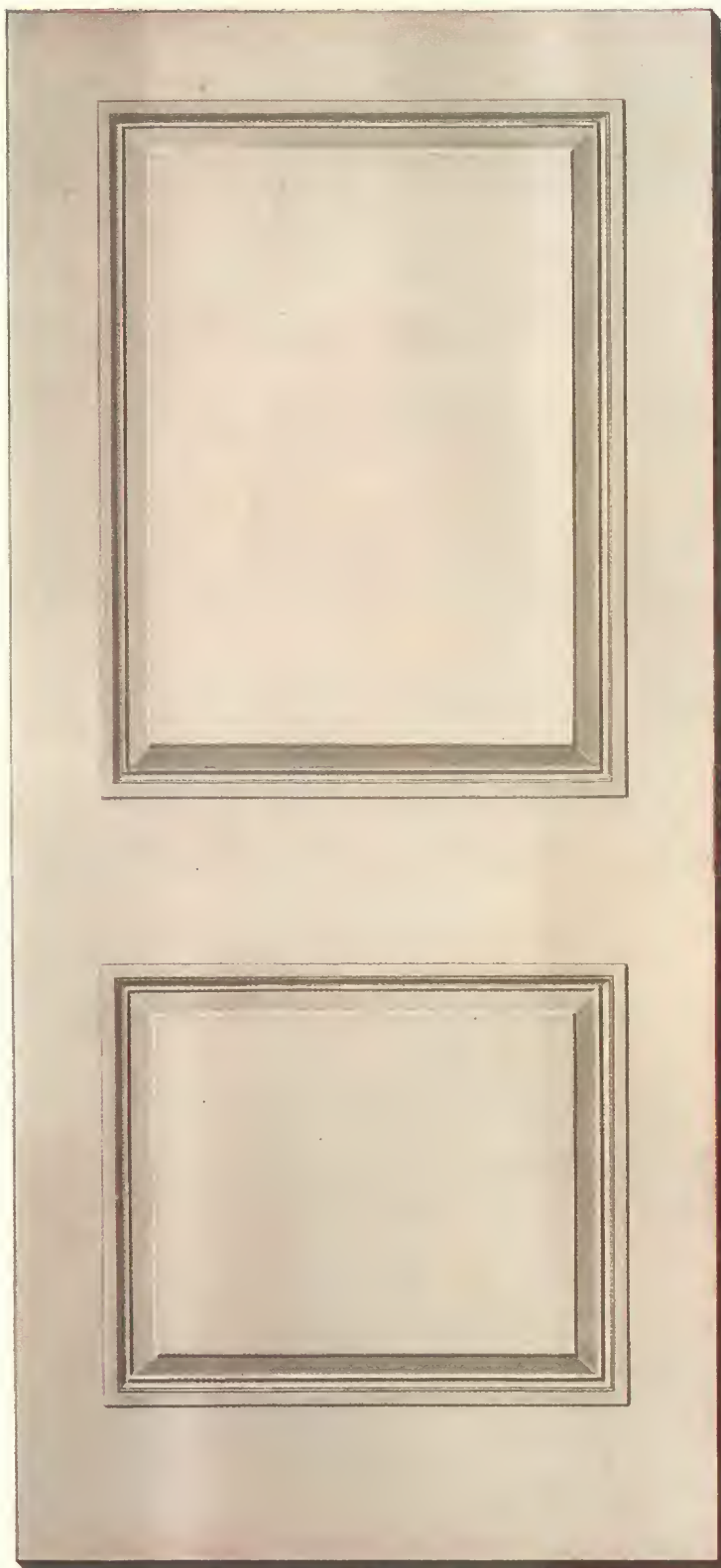
Stiles	----- $5\frac{3}{8}$ "
Top Rail	----- $5\frac{3}{8}$ "
Bottom Rail	----- $9\frac{3}{8}$ "
Intermediate Rails	----- $3\frac{3}{4}$ "
Muntins	----- $3\frac{3}{4}$ "

Panels Equal



FDI DESIGN 2015

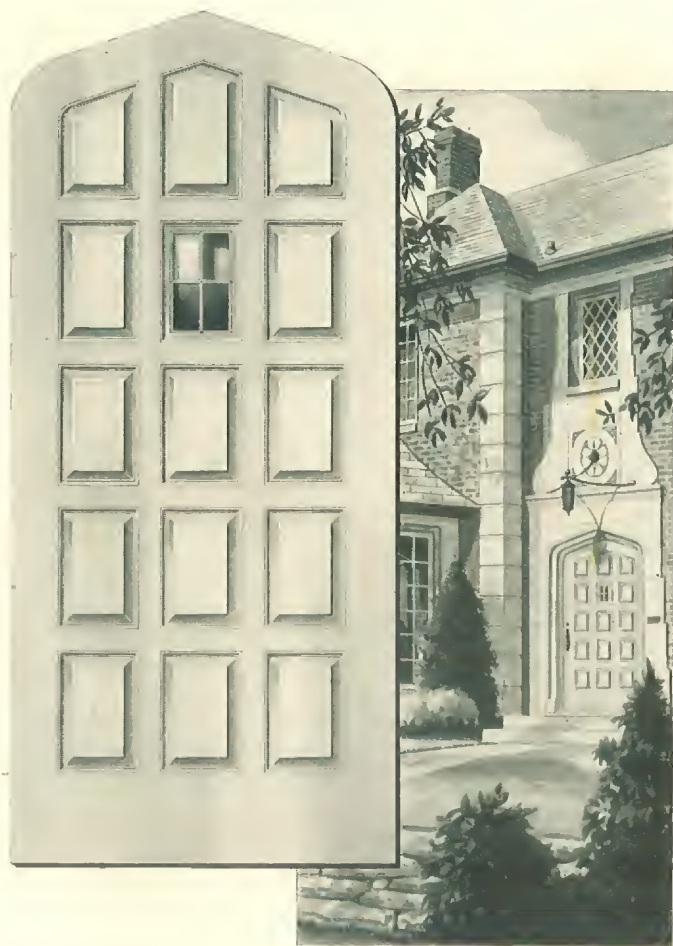
STICKING-----Ovolo or Wide Sticking
 "A" or "B"
 PANELS----- $\frac{3}{4}$ " Raised 2 Sides Only
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS-----1 $\frac{3}{4}$ " Only
 Raised Moulding One Side—Optional.



Specifications O. A.

Stiles and Top Rail-----5 $\frac{3}{8}$ "
 Lock Rail -----8"
 Bottom Rail -----9 $\frac{3}{8}$ "



**FDI DESIGN 2065**

STICKING_____Ovolo or Wide Sticking
"A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

BEADS---"L" Moulding and Bullnose
Bead Furnished (Ovolo beads if Ovolo
sticking).

GLASS_____Not Furnished

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles	5 3/8"
Top Rail	5 3/8"
Lock Rail	3 3/4"
Intermediate Rail	3 3/4"
Muntins	3 3/4"
Bottom Rail	9 3/8"

Rectangular Panels Equal

FDI DESIGN 2085

STICKING_____Ovolo or Wide Sticking
"A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Wicket-Sash (unglazed)
Furnished

GRILLE_____Optional at Net Extra

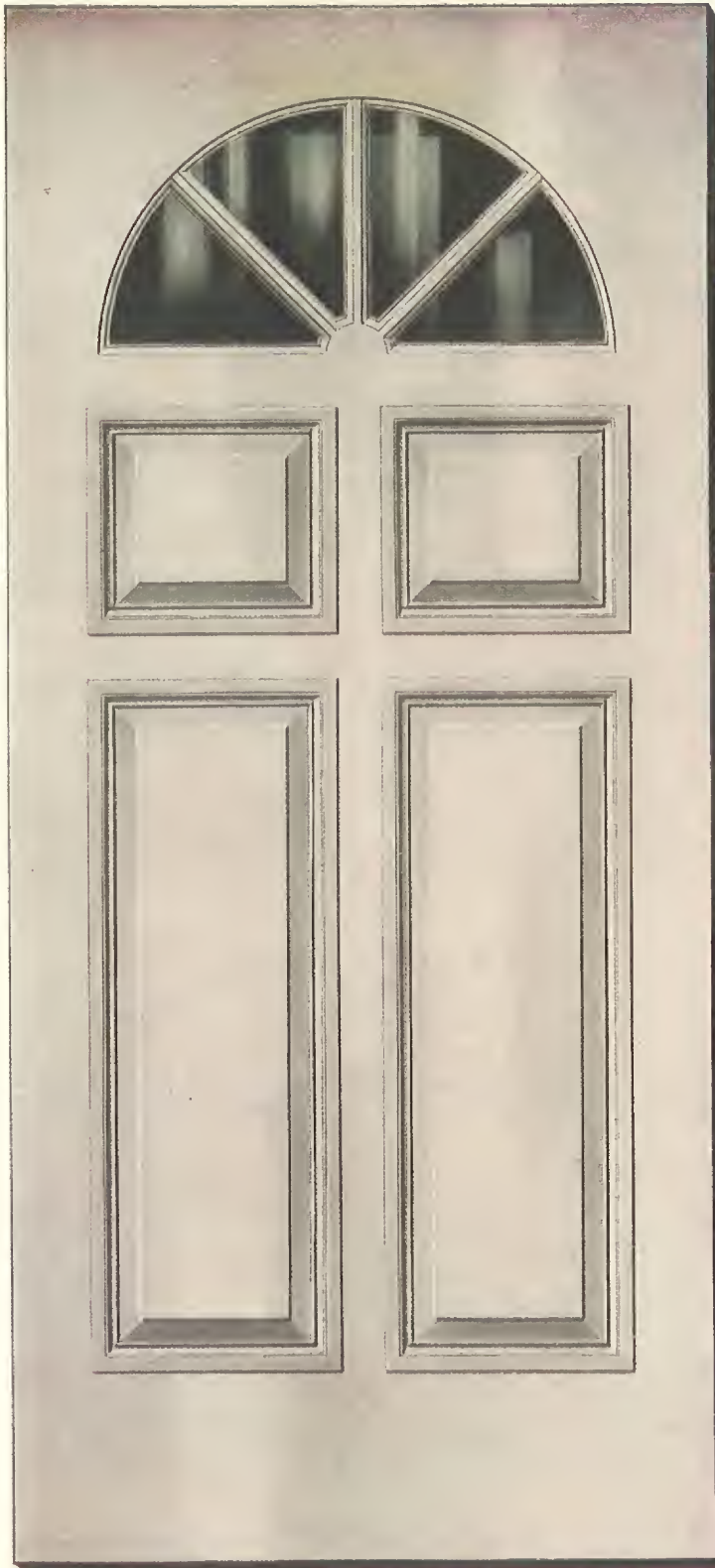
SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles	5 3/8"
Top Rail	5 3/8"
Intermediate Rails	3 3/4"
Muntins	3 3/4"
Bottom Rail	11 3/8"
Height from top of door to bottom of Intermediate Rail	34 1/2"





FDI DESIGN 2020

STICKING-----Ovolo or Wide Sticking
 "A" or "B" around panels only. Ovolo only around
 glass. Ovolo glass beads to match sticking.
 PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides
 Raised Moulding Around Panels Only.
 GLASS-----Not Furnished
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS----- $\frac{1}{4}$ " Only
 Height top of door to top of Intermediate
 Rail-----18"
 Rail-----
 Raised Moulding One Side—Optional.



Specifications O. A.

Stiles, Top and Lock Rails----- $5\frac{3}{8}$ "
 Intermediate Rail and Muntins----- $5\frac{3}{8}$ "
 Hub----- $4\frac{1}{2}$ " Bottom Rail----- $9\frac{3}{8}$ "
 Between Glass $\frac{1}{2}$ ", Top Panels Square



FDI DESIGN 2075

STICKING_____Ovolo or Wide Sticking
 "A" or "B"
 PANELS_____3/4" Raised 1 or 2 Sides
 GLASS_____Wicket-Sash (unglazed)
 Furnished
 GRILLE_____Optional at Net Extra
 SIZES_____3'0"x6'8" and 3'0"x7'0"
 THICKNESS_____1 3/4" Only
 Raised Moulding One Side—Optional

Specifications O. A.

Stiles _____5 3/8"
 Top Rail _____6 3/8"
 Intermediate Rail _____3 3/4"
 Muntins _____3 3/4"
 Bottom Rail _____11 3/8"
 Height from top of door to bottom
 of Intermediate Rail _____34 1/2"

FDI DESIGN 2120

STICKING_____Ovolo or Wide Sticking
 "A" or "B" around panels only. Ovolo only
 around glass.
 PANELS_____3/4" Raised 1 or 2 Sides
 GLASS_____Not Furnished
 BEADS_____Ovolo to match Sticking
 SIZES_____3'0"x6'8" and 3'0"x7'0"
 THICKNESS_____1 3/4" Only
 Raised Moulding One Side—Optional

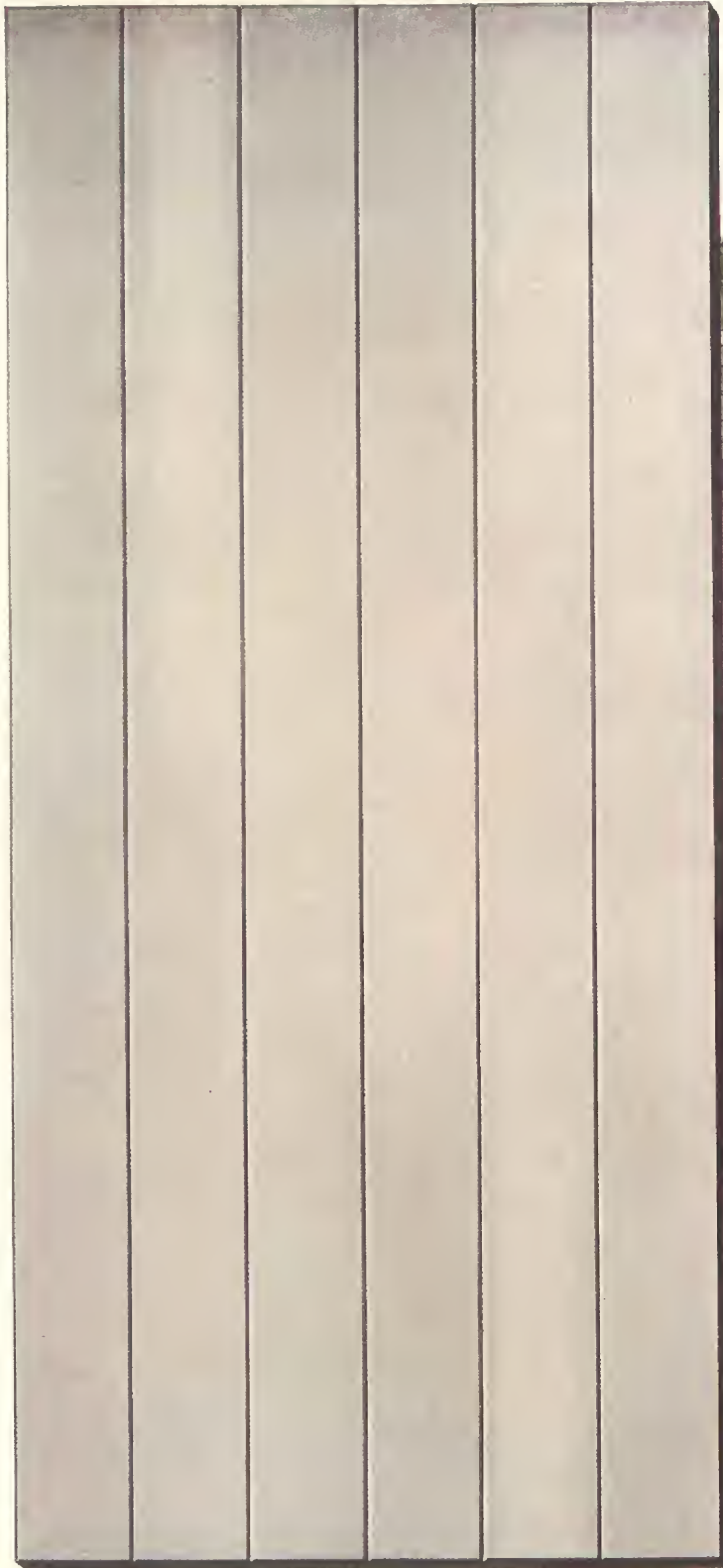
Specifications O. A.

Stiles _____5 3/8"
 Top Rail _____5 3/8"
 Lock Rail _____9 3/8"
 Intermediate Rail _____5 3/8"
 Muntins _____5 3/8"
 Bottom Rail _____9 3/8"
 Bars Between Glass _____2"
 Height from floor to top of
 Lock Rail _____36 3/8"



FDI DESIGN 2025

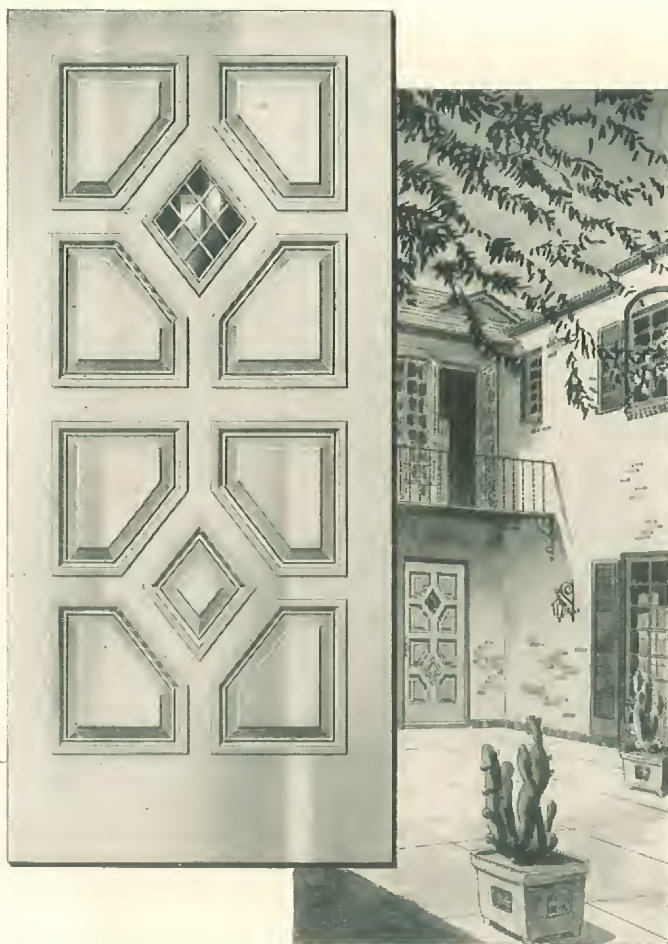
SIZES-----3'0"x6'8" and 3'0"x7'0"
THICKNESS-----1 3/4" Only
Five equal grooves. Only one face grooved
unless otherwise specified.



Specifications O. A.

Rotary-cut 1/8" faces before sanding, 5 or 7-ply construction, furnished. Vertical Grain Douglas fir faces will be furnished at net extra.





FDI DESIGN 2040

STICKING-----Ovolo or Wide Sticking
"A" or "B"PANELS----- $\frac{3}{4}$ " Raised 1 or 2 SidesBEADS---"L" moulding and Bullnose
bead around light (Ovolo beads if
Ovolo sticking).

GLASS-----Not Furnished

SIZES-----3'0"x6'8" and 3'0"x7'0"

THICKNESS----- $1\frac{3}{4}$ " Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles	-----	$5\frac{3}{8}$ "
Top Rail	-----	$5\frac{3}{8}$ "
Muntins	-----	$4\frac{1}{2}$ "
Intermediate Rail	-----	$4\frac{1}{2}$ "
Lock Rail	-----	$5\frac{3}{8}$ "
Bottom Rail	-----	$11\frac{3}{8}$ "

FDI DESIGN 2030

THICKNESS ----- $1\frac{3}{4}$ "

SIZES-----3'0"x6'8" and 3'0"x7'0"

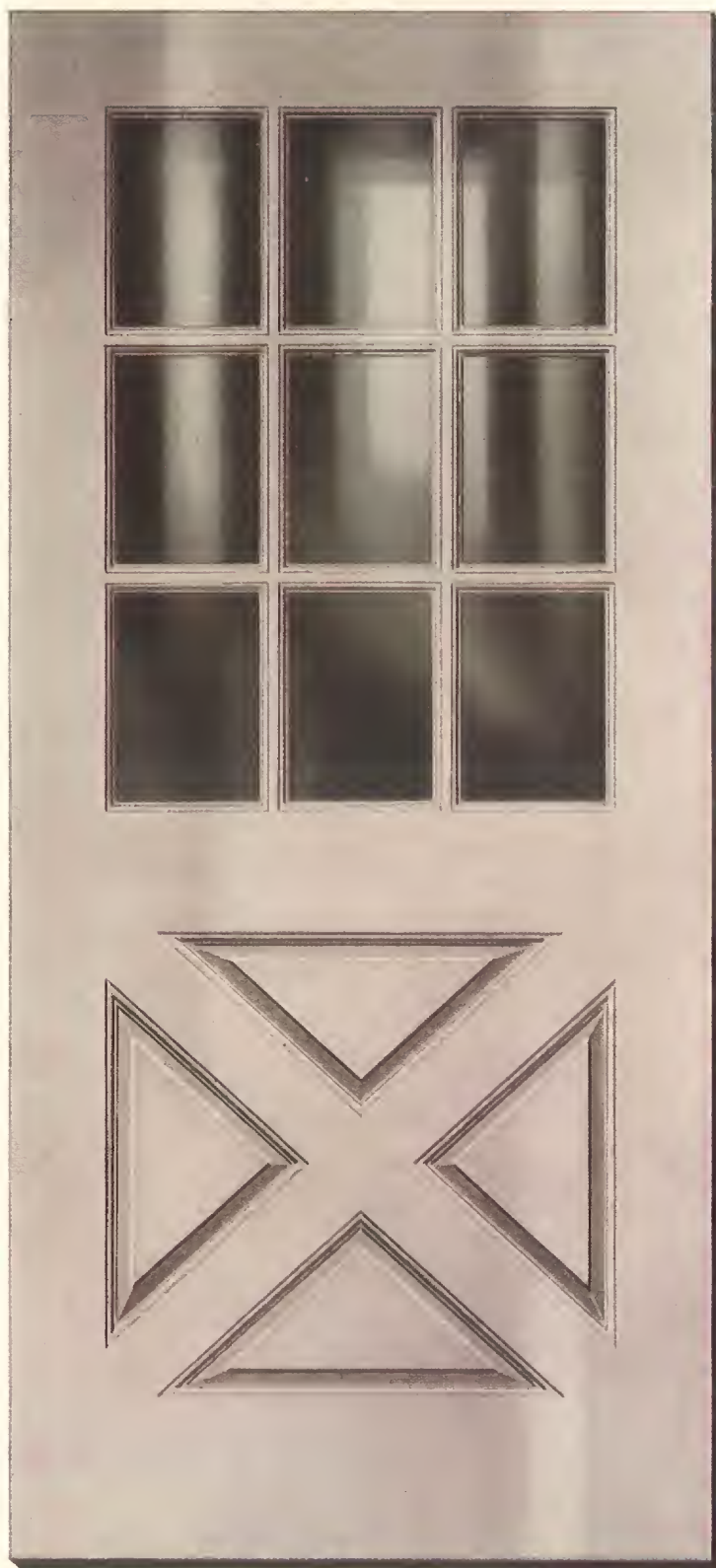
Specifications O. A.

Rotary-cut $\frac{1}{8}$ " faces before sanding, 5 or 7-ply construction, furnished. Vertical grain Douglas fir faces will be furnished at net extra.



FDI DESIGN 2035

STICKING-----Ovolo Only
 PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides
 BEADS-----Ovolo beads to match sticking
 MOULDING-----Raised Moulding not Furnished
 GLASS-----Not Furnished
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS-----1 $\frac{3}{4}$ " Only
 Height floor to top of Lock Rail-----38 $\frac{3}{4}$ "



Specifications O. A.

Stiles and Top Rail-----5 $\frac{3}{8}$ "
 Bottom Rail-----8 $\frac{3}{4}$ "
 Bars Between Glass----- $\frac{1}{2}$ "
 Lock Rail-----7 $\frac{1}{4}$ " Cross Bucks-----4 $\frac{1}{2}$ "



**FDI DESIGN 2110**

STICKING_____Ovolo or Wide Sticking
"A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Wicket-Sash (unglazed)
Furnished.

GRILLE_____Optional at Net Extra

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only

Raised Moulding One Side—Optional

Specifications O. A.

Stiles _____5 3/8"

Top Rail _____5 3/8"

Intermediate Rails _____3 3/4"

Muntins _____3 3/4"

Bottom Rail _____11 3/8"

FDI DESIGN 2105

STICKING_____Ovolo only

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Not Furnished

BEADS_____Ovolo to match Sticking

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only

Specifications O. A.

Stiles _____5 3/8"

Top Rail _____5 3/8"

Lock Rail _____7 1/4"

Cross Bucks _____4 1/2"

Intermediate Rails _____4 1/2"

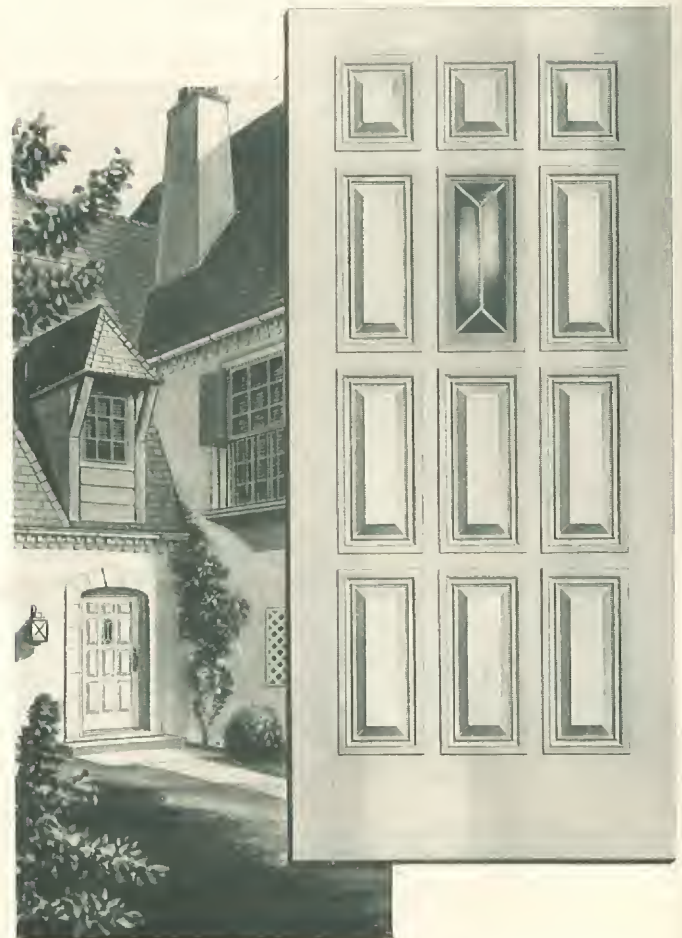
Muntin _____4 1/2"

Bottom Rail _____8 3/4"

Bars Between Glass _____2"

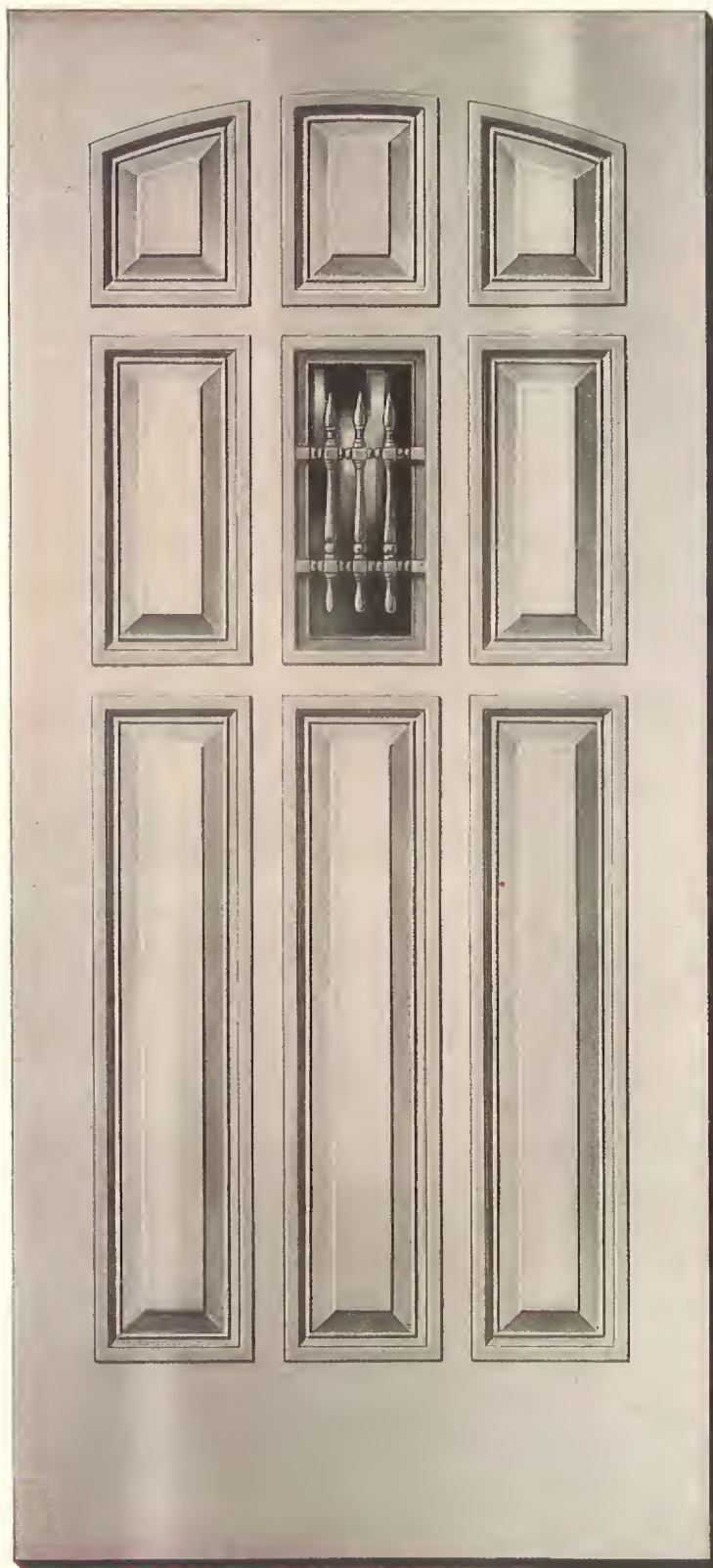
Height from floor to top of

Lock Rail _____38 1/4"



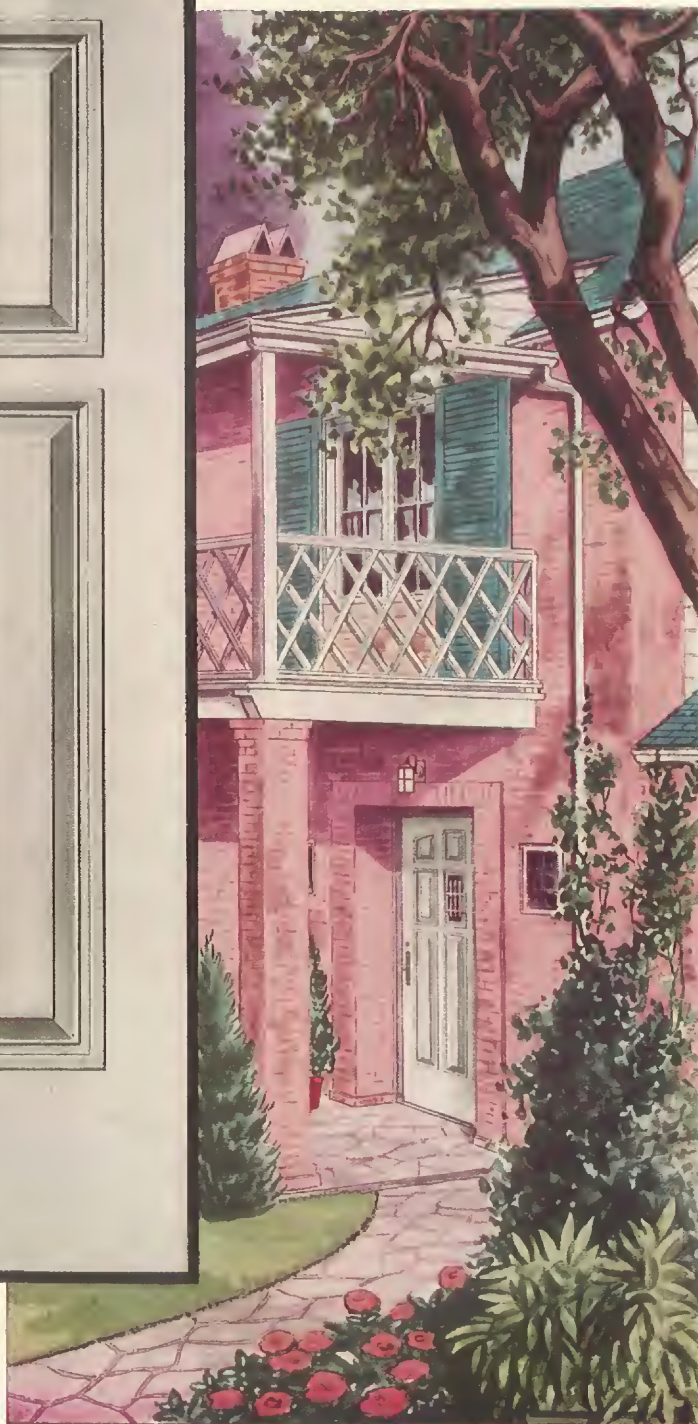
FDI DESIGN 2045

STICKING-----Ovolo or Wide Sticking
 "A" or "B"
 PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides
 GLASS-----Wicket-Sash (unglazed) Furnished
 GRILLE-----Furnished
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS-----1 $\frac{3}{4}$ " Only
 Height top of door to bottom top
 Intermediate Rail-----17 $\frac{1}{8}$ "
 Height top of door to bottom lower
 Intermediate Rail-----35 $\frac{1}{4}$ "
 Raised Moulding One Side—Optional.



Specifications O. A.

Stiles and Top Rail-----5 $\frac{3}{8}$ "
 Intermediate Rails and Muntins-----3 $\frac{3}{4}$ "
 Bottom Rail-----11 $\frac{3}{8}$ "



**FDI DESIGN 2095**

STICKING_____Ovolo or Wide Sticking
 "A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Wicket-Sash (unglazed)
 Furnished

GRILLE_____Optional at Net Extra

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
 Raised Moulding One Side—Optional

Specifications O. A.

Stiles	5 3/8"
Top Rail	5 3/8"
Intermediate Rails	3 3/4"
Muntins	3 3/4"
Bottom Rail	11 3/8"

FDI DESIGN 2050

STICKING_____Ovolo or Wide Sticking
 "A" or "B"

PANELS_____3/4" Raised 1 or 2 Sides

GLASS_____Wicket-Sash (unglazed)
 Furnished

GRILLE_____Optional at Net Extra

SIZES_____3'0"x6'8" and 3'0"x7'0"

THICKNESS_____1 3/4" Only
 Raised Moulding One Side—Optional

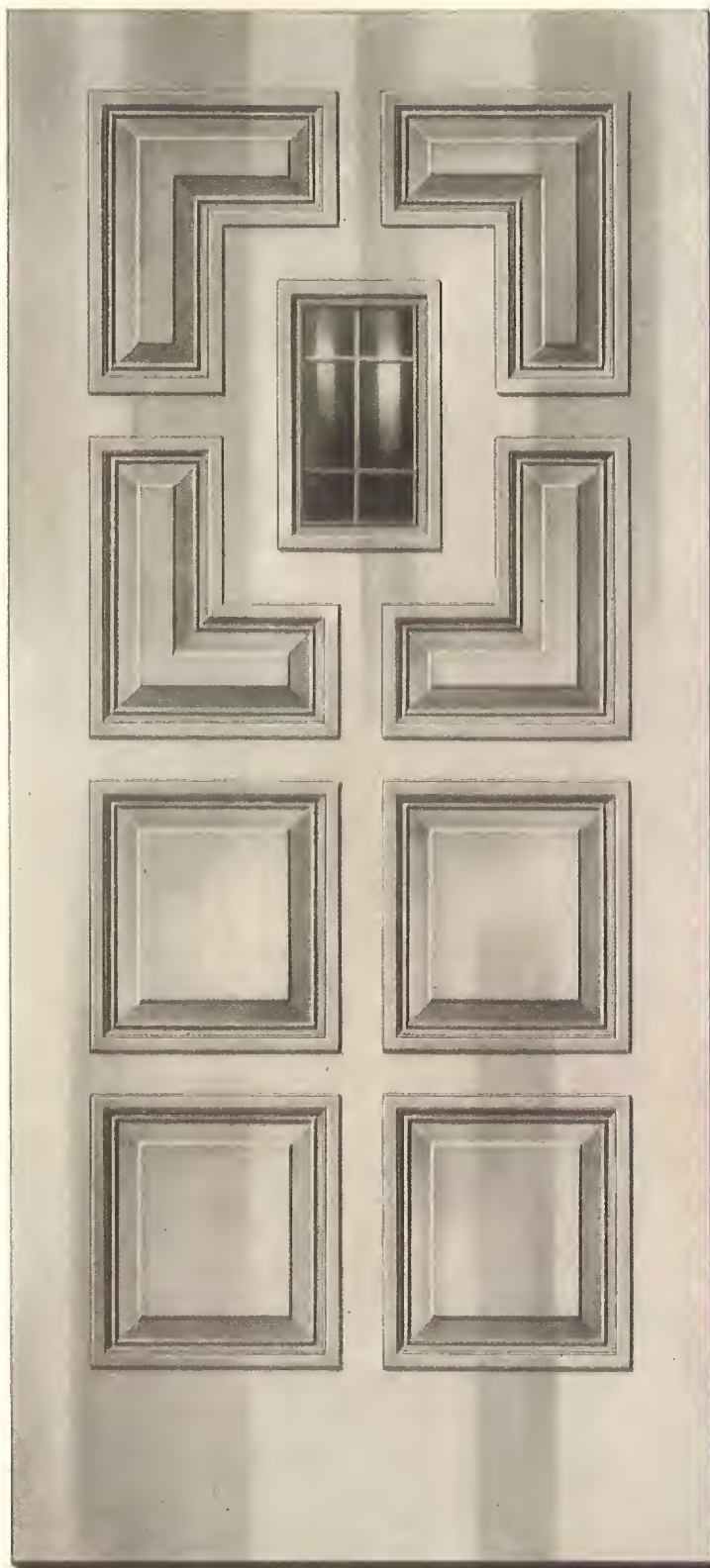
Specifications O. A.

Stiles	5 3/8"
Top Rail	5 3/8"
Lock Rail	4 1/2"
Intermediate Rails	4 1/2"
Muntins	4 1/2"
Bottom Rail	11 3/8"
Height from top of door to bottom of Intermediate Rail	16 7/8"
Height from floor to top of Lock Rail	23 7/8"



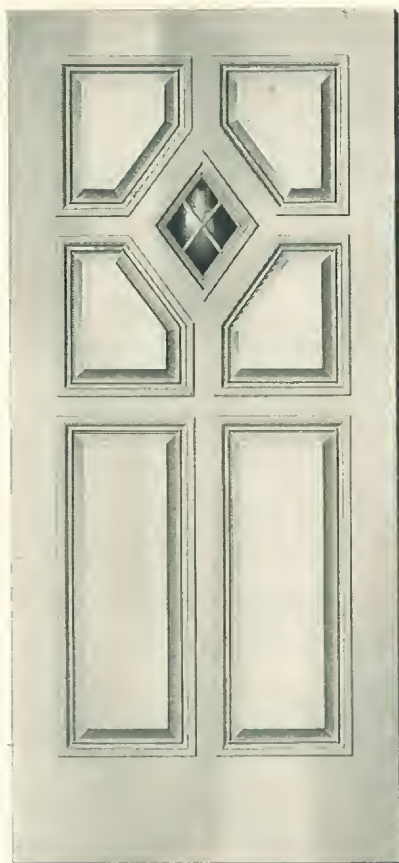
FDI DESIGN 2055

STICKING-----Ovolo or Wide Sticking
 "A" or "B"
 PANELS----- $\frac{3}{4}$ " Raised 1 or 2 Sides
 GLASS-----Wicket-Sash (unglazed) Furnished
 GRILLE-----Optional at Net Extra
 SIZES-----3'0"x6'8" and 3'0"x7'0"
 THICKNESS----- $1\frac{3}{4}$ " Only
 Height top of door to bottom Intermediate
 Rail----- $22\frac{7}{8}$ "
 Raised Moulding One Side-----Optional.



Specifications O. A.

Stiles and Top Rail----- $5\frac{3}{8}$ "
 Intermediate Rail and Muntins----- $4\frac{1}{2}$ "
 Bottom Rail----- $11\frac{3}{8}$ "

**FDI DESIGN 2125**

STICKING____Ovolo or Wide Sticking
"A" or "B"

PANELS____ $\frac{3}{4}$ " Raised 1 or 2 Sides

BEADS____"L" Moulding and Bullnose
Bead furnished (Ovolo Beads if Ovolo
Sticking).

GLASS____Not Furnished

SIZES____3'0"x6'8" and 3'0"x7'0"

THICKNESS____ $1\frac{3}{4}$ " Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles _____ $5\frac{3}{8}$ "

Top Rail _____ $5\frac{3}{8}$ "

Lock Rail _____ $5\frac{3}{8}$ "

Intermediate Rail _____ $4\frac{1}{2}$ "

Muntins _____ $4\frac{1}{2}$ "

Bottom Rail _____ $11\frac{3}{8}$ "

FDI DESIGN 2060

STICKING____Ovolo or Wide Sticking
"A" or "B"

PANELS____ $\frac{3}{4}$ " Raised 1 or 2 Sides

BEADS____"L" Moulding and Bullnose
Bead Furnished (Ovolo beads if Ovolo
sticking).

GLASS____Not Furnished

SIZES____3'0"x6'8" and 3'0"x7'0"

THICKNESS____ $1\frac{3}{4}$ " Only
Raised Moulding One Side—Optional

Specifications O. A.

Stiles _____ $5\frac{3}{8}$ "

Top Rail _____ $5\frac{3}{8}$ "

Lock Rail _____ $3\frac{3}{4}$ "

Intermediate Rail _____ $3\frac{3}{4}$ "

Muntins _____ $3\frac{3}{4}$ "

Bottom Rail _____ $9\frac{3}{8}$ "

Panels Equal





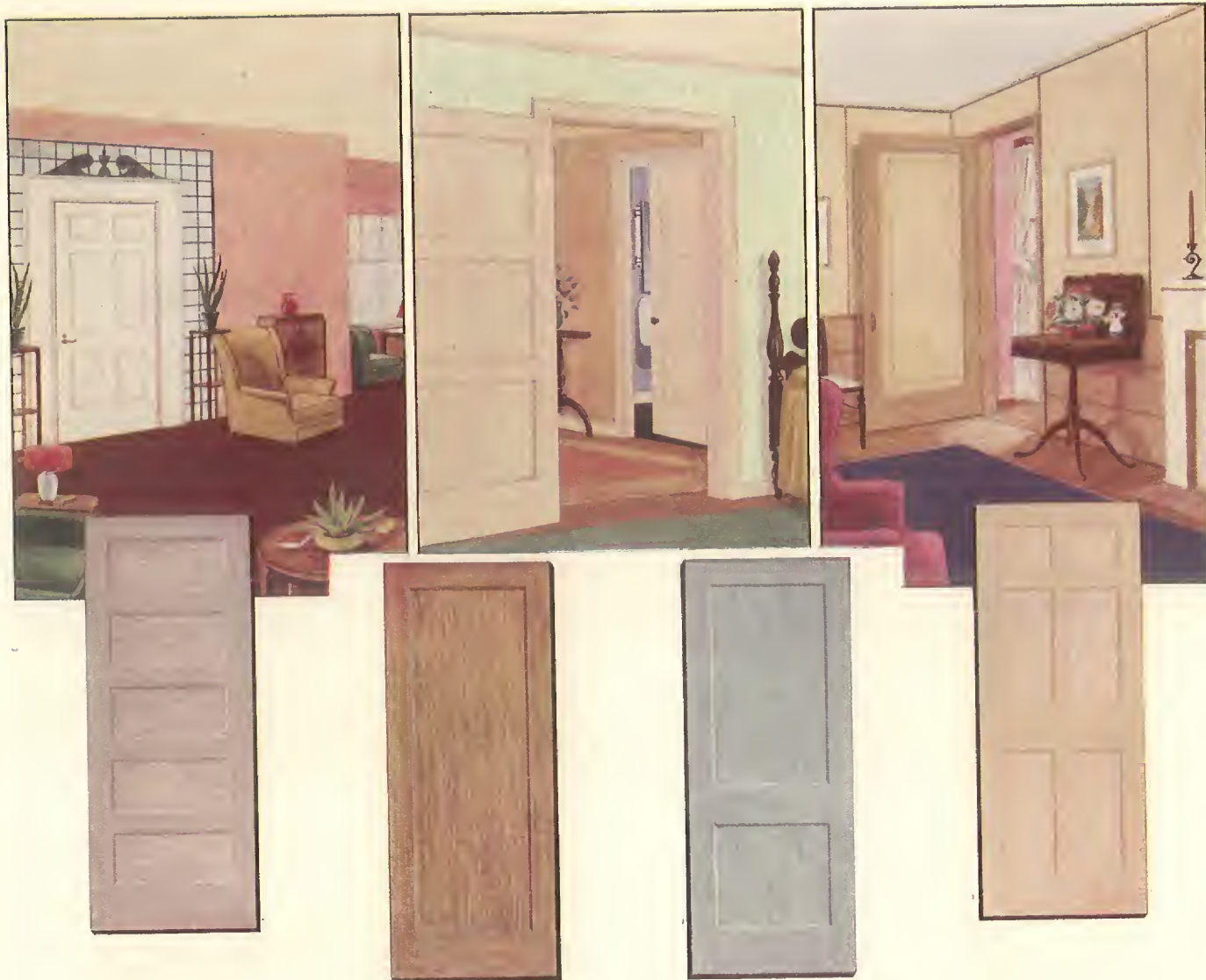
Stock Douglas Fir House Doors

All stock Douglas fir House Doors shown on the following pages are carefully manufactured according to the exact specifications of U. S. Commercial Standard 73-38. These doors are available in the grades shown and will be grade marked according to the Fir Door Institute's standard symbols, if specified.

Remember!
**NATURE MAKES
DOUGLAS FIR**
Durable!

**Durable Douglas Fir Doors are made
from all-heartwood, vertical-grain,
soft, old-growth Douglas Fir.**

- INTERIOR DOORS
- REAR ENTRANCE DOORS
- SIDELIGHTS
- STORM DOORS
- CUPBOARD DOORS



SUGGESTED FINISHES FOR DOUGLAS FIR DOORS

Douglas fir doors can be stained, painted or finished natural according to conventional methods with attractive results. The quality of these finishes is dependent only on good workmanship and good materials.

Simple, yet pleasing finishes for Douglas fir doors have also recently been developed. The procedure is to subdue the grain contrasts, yet preserve the natural beauty of the wood. Any variation in color scheme is possible ranging from vivid blues and greens to softer pastel shades.

These finishes are accomplished by a procedure which is basically as follows:

1. A coat of interior white undercoater, preferably thinned as follows: 6 lbs. of flat undercoat, $3\frac{1}{2}$ quarts of pure turpentine, and 1 pint of linseed oil. When dry sand lightly with No. 000 sandpaper.

2. One coat of white shellac, steel-wooled when dry with No. 1 wool.

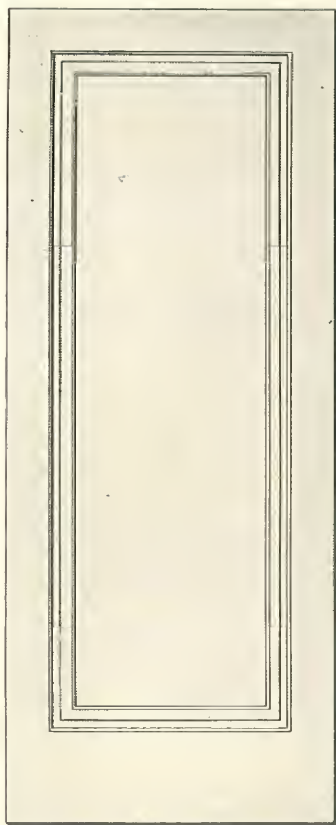
3. One coat of the desired color in blending oils, applied thinly or dry-brushed to the proper color tone.

4. One coat of flat varnish. For best effect the varnish coat should be steel-wooled.

A limitless variety of effects can be secured by changing the color coat. Desirable tints and shades may be obtained by blending flat enamels according to proportions which will be suggested by decorators and painters.

Other types of finishes including special finishes for Entrance Doors should be applied according to specifications of leading paint manufacturers.

Labels with painting directions are attached to Tru-Fit Entrance Doors.

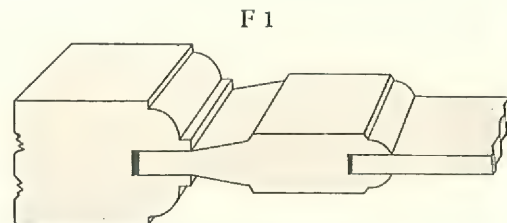


F 1

F 2

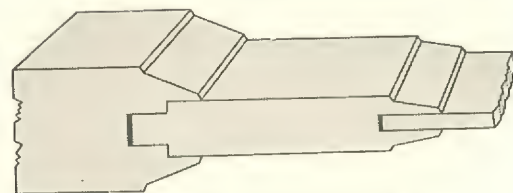
Stiles and top rail	4 ³ / ₁₆ "
Bottom rail	9 ³ / ₈ "
Insert frame	2 ³ / ₁₆ "

3-ply laminated flat panel. Furnished in grades A and B only.

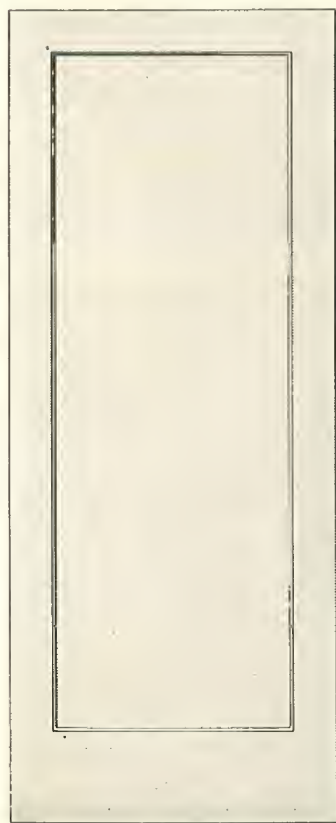


Raised insert frame. Sticking: Ovolo.

F 2



Flat insert frame. Sticking: P & G.



F 80

Stiles and top rail	4 ³ / ₁₆ "
Muntin	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A and B only. Sticking: Standard.

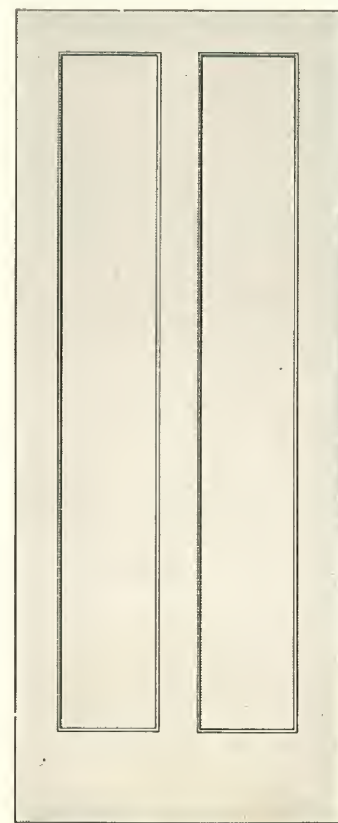
F 20

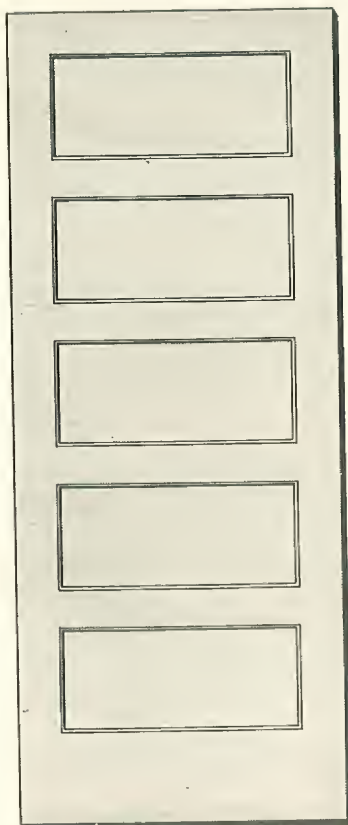
F 21

F 22

	F20	F21	F22
Stiles	4 ³ / ₁₆ "	4 ³ / ₁₆ "	5 ³ / ₈ "
Top rail	4 ³ / ₁₆ "	5 ³ / ₈ "	5 ³ / ₈ "
Bottom rail	9 ³ / ₈ "	11 ³ / ₈ "	11 ³ / ₈ "

3-ply laminated flat panel. Furnished in grades A and B only. Sticking: Standard.

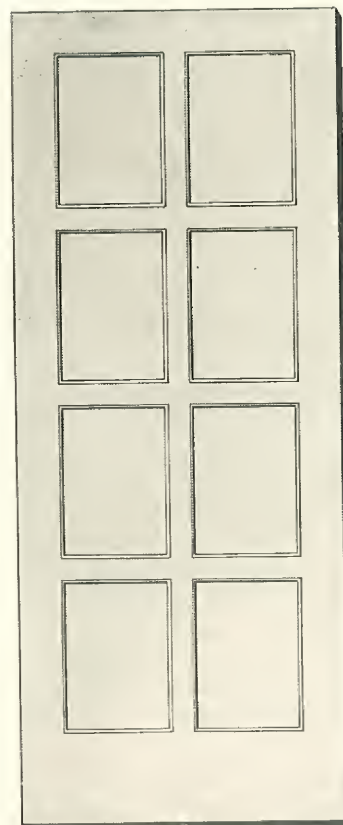




F 5

Stiles and top rail	4 ³ / ₁₆ "
Intermediate rails	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "

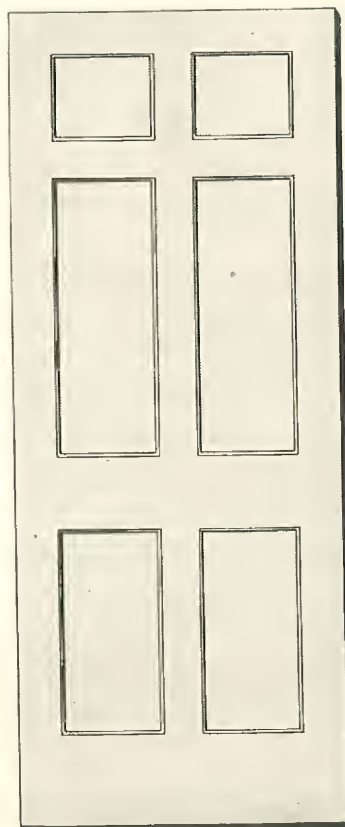
3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C and 1 ¹/₈" millrun. Sticking: Standard.



F 88

Stiles and top rail	4 ³ / ₁₆ "
Intermediate rails and muntins	2 ⁷ / ₈ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A and B only. Sticking: Standard.



F 67

F 68

F 69

	F 67	F 68	F 69
Stiles and top rail	4 ³ / ₁₆ "	4 ³ / ₁₆ "	4 ³ / ₁₆ "
Lock rail	9 ³ / ₈ "	9 ³ / ₈ "	9 ³ / ₈ "
Intermediate rail and muntins	4 ¹ / ₂ "	5"	3 ³ / ₄ "
Bottom rail	7 ¹ / ₈ "	7 ¹ / ₈ "	8 ³ / ₈ "
Height from floor to top of lock rail	41 ¹ / ₈ "	41 ¹ / ₈ "	36 ³ / ₈ "
Height from top of intermediate rail top of door	12 ⁵ / ₈ "	12 ⁵ / ₈ "	10 ¹ / ₈ "

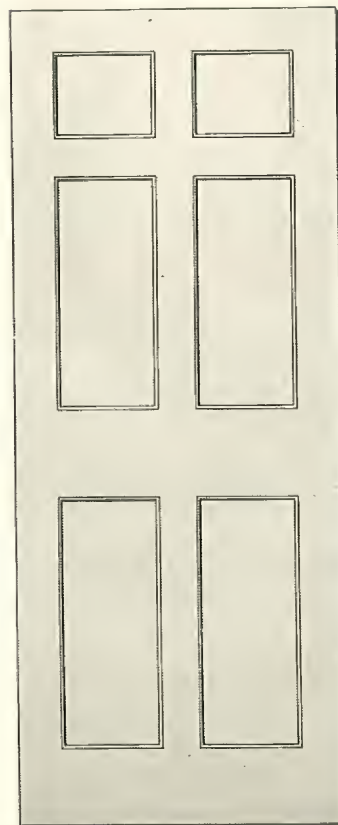
Height of center panels vary with height of door

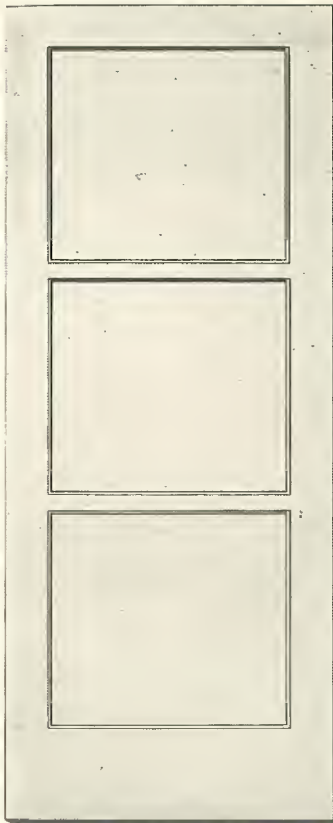
Doors 1' 8" and narrower made one panel wide. 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A and B only. Sticking: Standard.

F 66

Stiles and top rail	4 ³ / ₁₆ "
Lock rail	8"
Intermediate rail and muntins	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "
Height from floor to top of lock rail	36 ¹ / ₂ "
Height from top of intermediate rail to top of door	12 ⁵ / ₈ "
Height of center panels vary with height of door.	

Doors 1' 8" and narrower made one panel wide. 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A and B only. Sticking: Standard.

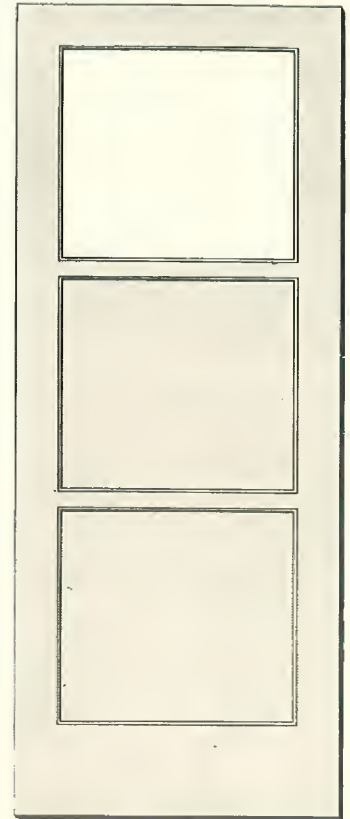




F 3

Stiles and top rail.....	4 $\frac{9}{16}$ "
Intermediate rails	2 $\frac{1}{4}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Furnished in grades A and B only. Sticking: Standard.



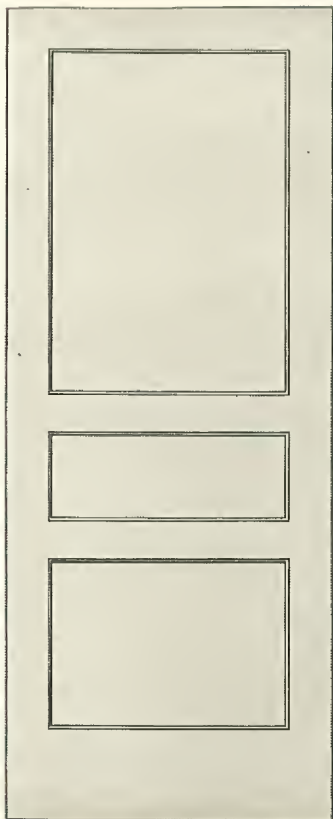
F 13

Stiles and top rail.....	4 $\frac{9}{16}$ "
Intermediate rails	2 $\frac{1}{4}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x20 $\frac{5}{8}$ "
2'8"x6'8"	23 $\frac{5}{8}$ "x21 $\frac{5}{8}$ "
2'10"x6'10"	25 $\frac{5}{8}$ "x22"
3'0"x7'0"	27 $\frac{5}{8}$ "x22 $\frac{1}{2}$ "

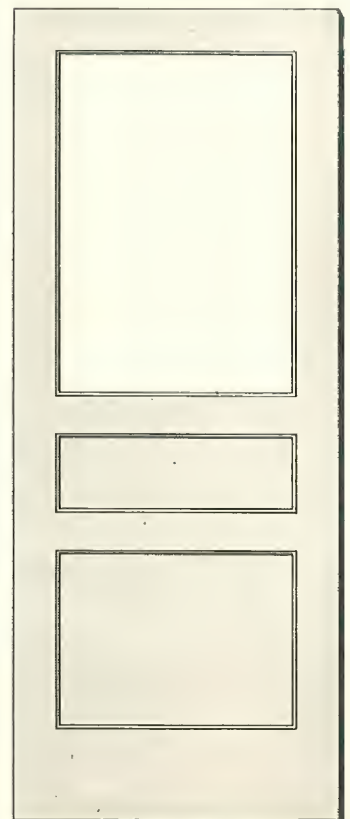
Beads for glass included.



F 33

Stiles and top rail.....	4 $\frac{9}{16}$ "
Intermediate rails	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "
Height from floor to top of upper cross rail.....	42 $\frac{1}{4}$ "

3-ply laminated flat panels. Furnished in grades A and B only. Sticking: Standard.



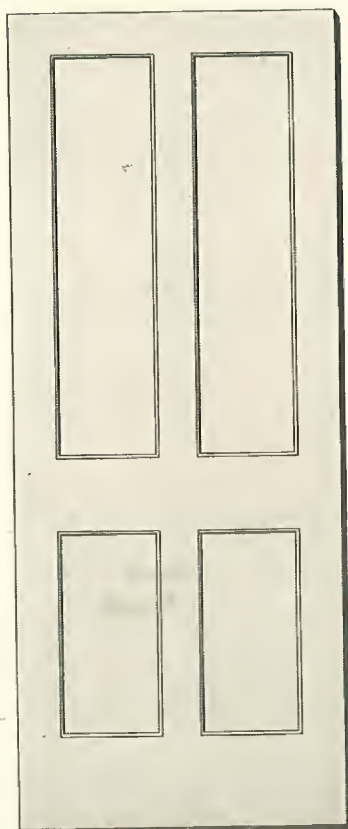
F 133

Stiles and top rail.....	4 $\frac{9}{16}$ "
Intermediate rails	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x32"
2'8"x6'8"	23 $\frac{5}{8}$ "x34"
2'10"x6'10"	25 $\frac{5}{8}$ "x36"
3'0"x7'0"	27 $\frac{5}{8}$ "x38"

Beads for glass included.



F 44

Stiles and top rail	4 $\frac{3}{8}$ "
Lock rail	8"
Muntins	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "
Height from floor to top of lock rail	36 $\frac{1}{2}$ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades *A* and *B* only. Sticking: Standard.

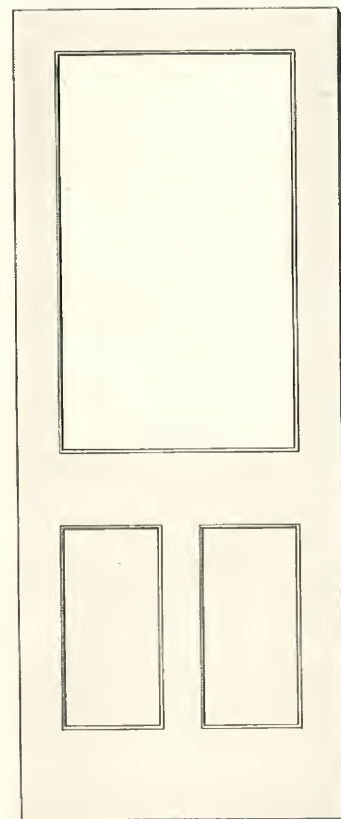
F 144

Stiles and top rail	4 $\frac{3}{8}$ "
Lock rail	8"
Muntins	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades *A* and *B* only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x38"
2'8"x6'8"	23 $\frac{5}{8}$ "x40"
2'10"x6'10"	25 $\frac{5}{8}$ "x42"
3'0"x7'0"	27 $\frac{5}{8}$ "x44"

Beads for glass included.



F 145

Stiles and top rail	4 $\frac{3}{8}$ "
Intermediate rails and muntin	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades *A* and *B* only. Sticking: Standard.

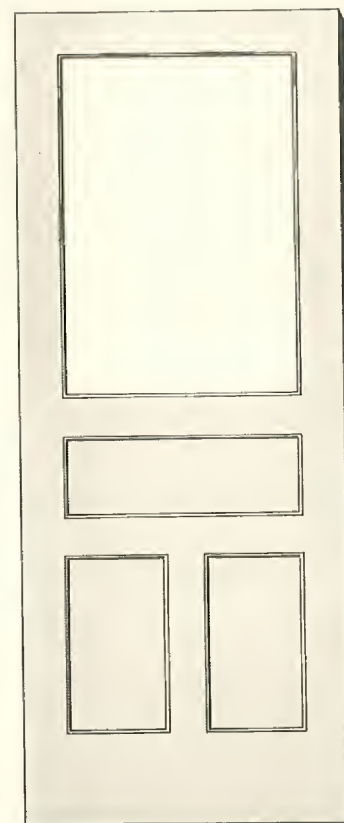
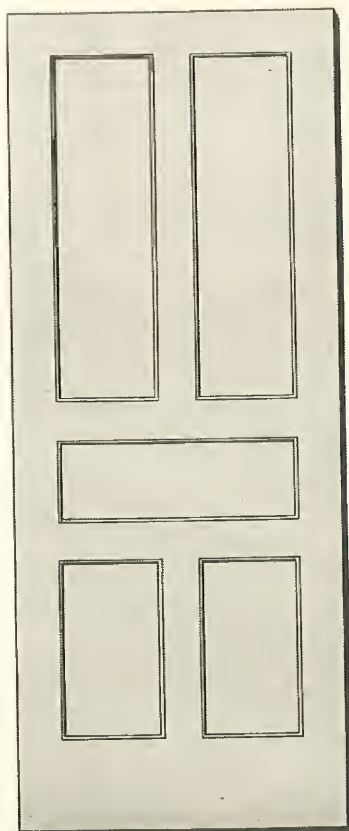
Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x32"
2'8"x6'8"	23 $\frac{5}{8}$ "x34"
2'10"x6'10"	25 $\frac{5}{8}$ "x36"
3'0"x7'0"	27 $\frac{5}{8}$ "x38"

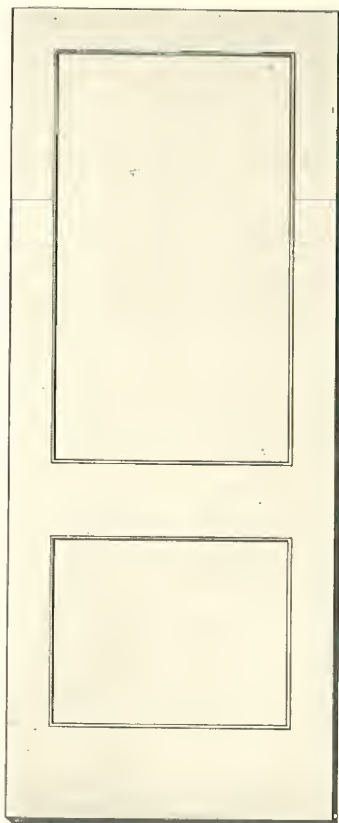
Beads for glass included.

F 45

Stiles and top rail	4 $\frac{3}{8}$ "
Intermediate rails and muntins	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "
Height from floor to top of upper cross rail	42 $\frac{1}{4}$ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades *A* and *B* only. Sticking: Standard.

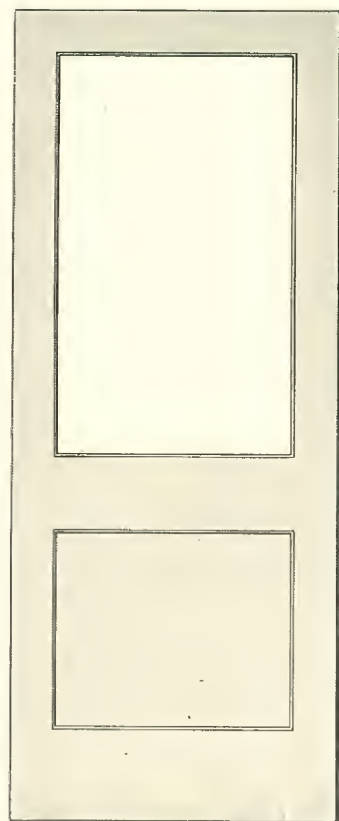




F 82

Stiles and top rail	4 $\frac{1}{8}$ "
Lock rail	8"
Bottom rail	9 $\frac{3}{8}$ "
Height to top of lock rail	36 $\frac{1}{2}$ "

3-ply laminated flat panels. Furnished in grades A and B only. Sticking: Standard.



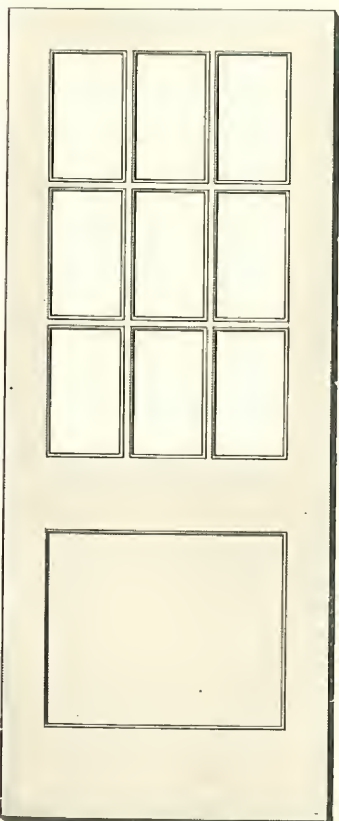
F 182

Stiles and top rail	4 $\frac{1}{8}$ "
Lock rail	8"
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x38"
2'8"x6'8"	23 $\frac{5}{8}$ "x40"
2'10"x6'10"	25 $\frac{5}{8}$ "x42"
3'0"x7'0"	27 $\frac{5}{8}$ "x44"

Beads for glass included.



F 108

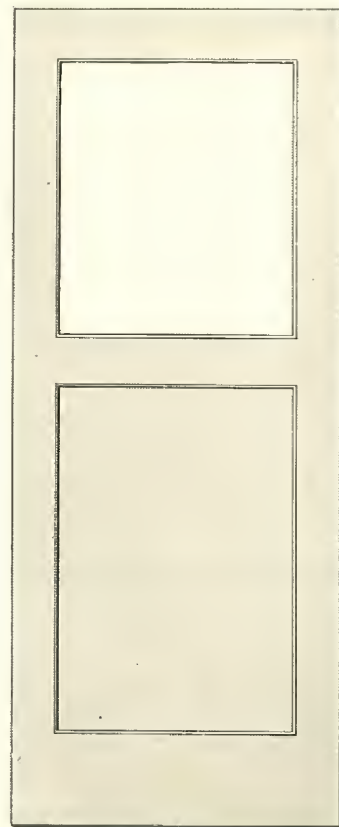
F 109

	F108	F109
Stiles	4 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "
Top and lock rails	5 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "
Bottom rail	9 $\frac{3}{8}$ "	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass	
	F108	F109
2'6" x 6'6" -----	21 5/8" x 26"	20" x 26"
2'8" x 6'8" -----	23 5/8" x 28"	22" x 28"
2'10" x 6'10" -----	25 5/8" x 30"	24" x 30"
3'0" x 7'0" -----	27 5/8" x 32"	26" x 32"

Beads for glass included.



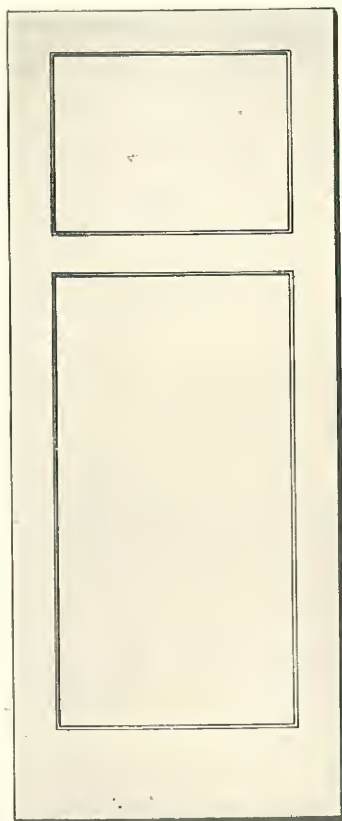
F 982

Stiles and top rail	4 $\frac{1}{8}$ "
Lock rail	8"
Bottom rail	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass. 3-ply laminated flat panel. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	6 $\frac{7}{8}$ "x12 $\frac{5}{8}$ "
2'8"x6'8"	7 $\frac{1}{2}$ "x13"
2'10"x6'10"	8 $\frac{1}{4}$ "x13 $\frac{5}{8}$ "
3'0"x7'0"	8 $\frac{7}{8}$ "x14 $\frac{5}{8}$ "

Beads for glass included.



F 28
F 29

	F28	F29
Stiles and top rail.....	4 ⁹ / ₈ "	5 ³ / ₈ "
Lock rail	4 ¹ / ₂ "	5 ³ / ₈ "
Bottom rail	9 ³ / ₈ "	11 ³ / ₈ "
Height from top of lock rail to top of door	22 "	22 ³ / ₄ "

3-ply laminated flat panels. Furnished in grades
A and B only. Sticking: Standard.

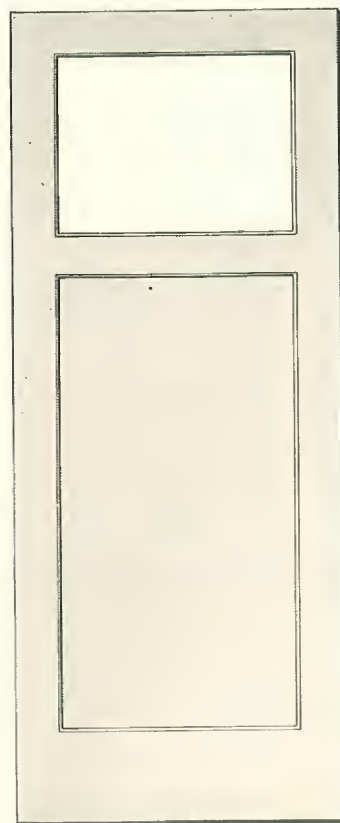
F 128
F 129

	F128	F129
Stiles and top rail.....	4 ⁹ / ₈ "	5 ³ / ₈ "
Lock rail	4 ¹ / ₂ "	5 ³ / ₈ "
Bottom rail	9 ³ / ₈ "	11 ³ / ₈ "

3-ply laminated flat panels. Furnished in grades
A and B only. Sticking: Standard.

	Size of glass	
Size of door	F128	F129
2'6"x6'6"	21 ⁵ / ₈ "x18"	20"x18"
2'8"x6'8"	23 ⁵ / ₈ "x18"	22"x18"
2'10"x6'10"	25 ⁵ / ₈ "x18"	24"x18"
3'0"x7'0"	27 ⁵ / ₈ "x18"	26"x18"

Beads for glass included.



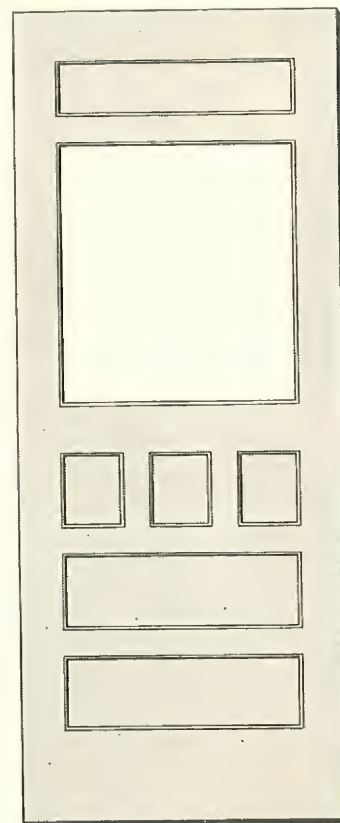
F 154

Stiles	4 ⁹ / ₈ "
Top and lock rails.....	5 ³ / ₈ "
Intermediate rails and muntins.....	3 ³ / ₈ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be fur-
nished with raised panels, if desired. Furnished
in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 ⁵ / ₈ "x24"
2'8"x6'8"	23 ⁵ / ₈ "x26"
2'10"x6'10"	25 ⁵ / ₈ "x28"
3'0"x7'0"	27 ⁵ / ₈ "x30"

Beads for glass included.



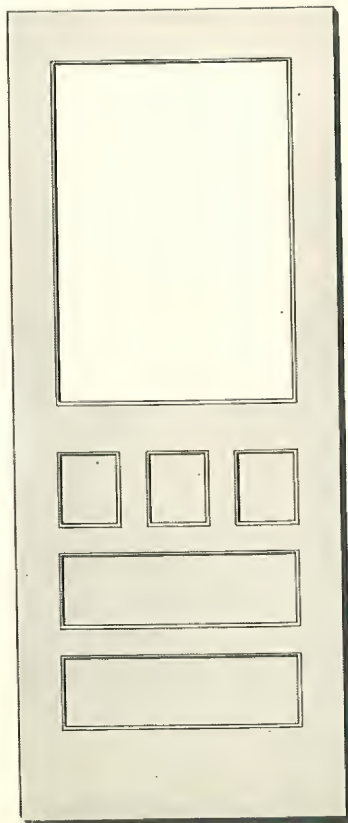
F 152

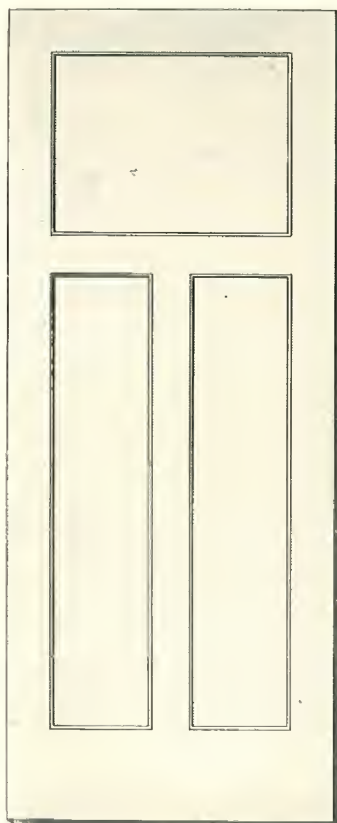
Stiles	4 ⁹ / ₈ "
Top and lock rails.....	5 ³ / ₈ "
Intermediate rails and muntins.....	3 ³ / ₈ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be fur-
nished with raised panels, if desired. Furnished
in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 ⁵ / ₈ "x32"
2'8"x6'8"	23 ⁵ / ₈ "x34"
2'10"x6'10"	25 ⁵ / ₈ "x36"
3'0"x7'0"	27 ⁵ / ₈ "x38"

Beads for glass included.

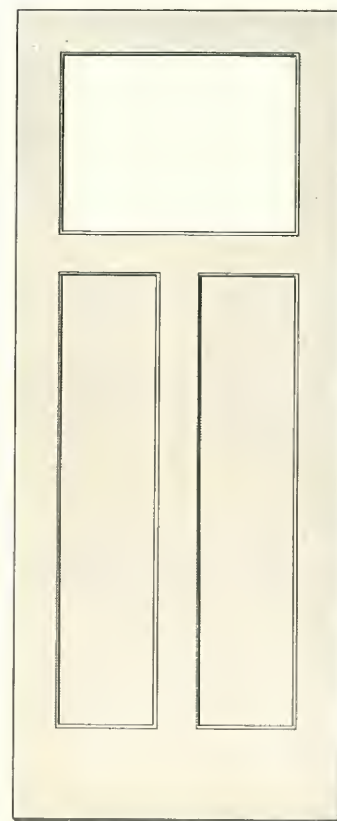




F 62

Stiles and top rail.....	4 $\frac{3}{8}$ "
Lock rail and muntin.....	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "
Height from top of lock rail to top of door.....	22"

3-ply laminated flat panels. Furnished in grades *A* and *B* only. Sticking: Standard.



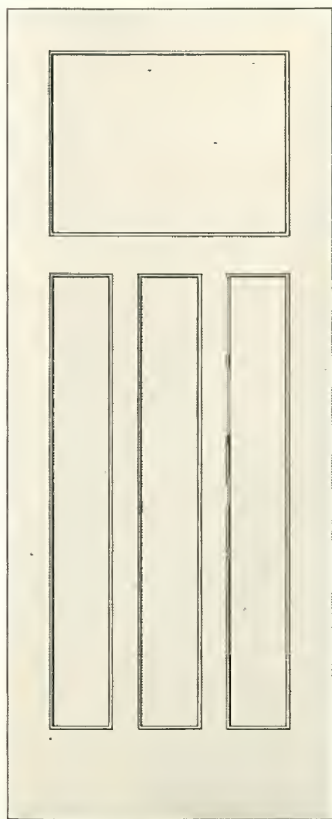
F 162

Stiles and top rail.....	4 $\frac{3}{8}$ "
Lock rail and muntin.....	4 $\frac{1}{2}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades *A* and *B* only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x18"
2'8"x6'8"	23 $\frac{5}{8}$ "x18"
2'10"x6'10"	25 $\frac{5}{8}$ "x18"
3'0"x7'0"	27 $\frac{5}{8}$ "x18"

Beads for glass included.



F 163

Stiles and top rail.....	4 $\frac{3}{8}$ "
Lock rail	4 $\frac{1}{2}$ "
Muntins	3 $\frac{1}{4}$ "
Bottom rail	9 $\frac{3}{8}$ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades *A* and *B* only. Sticking: Standard.

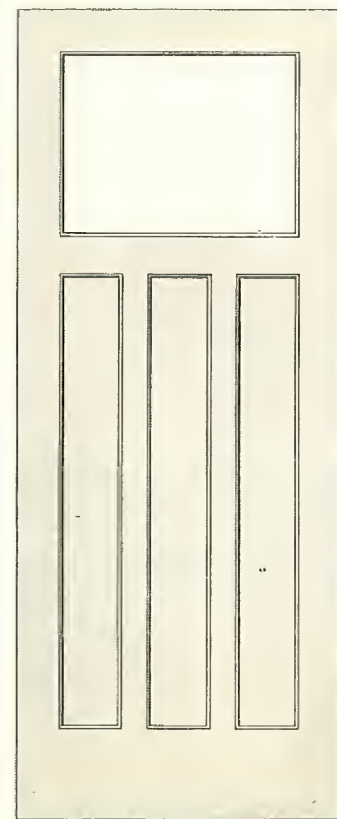
Size of door	Size of glass
2'6"x6'6"	21 $\frac{5}{8}$ "x18"
2'8"x6'8"	23 $\frac{5}{8}$ "x18"
2'10"x6'10"	25 $\frac{5}{8}$ "x18"
3'0"x7'0"	27 $\frac{5}{8}$ "x18"

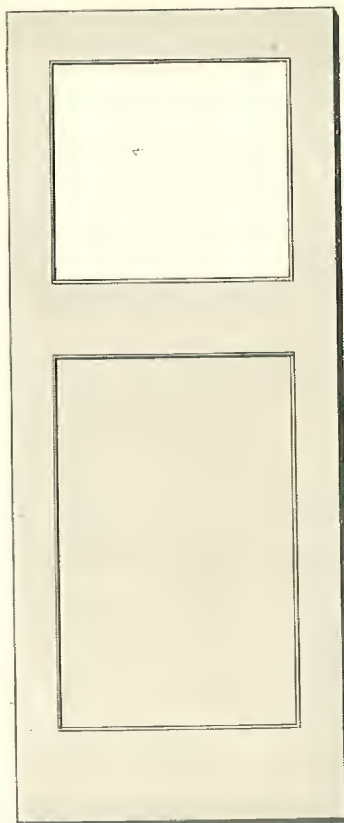
Beads for glass included.

F 63

Stiles and top rail.....	4 $\frac{3}{8}$ "
Lock rail	4 $\frac{1}{2}$ "
Muntins	3 $\frac{1}{4}$ "
Bottom rail	9 $\frac{3}{8}$ "
Height from top of lock rail to top of door.....	22"

3-ply laminated flat panels. Furnished in grades *A* and *B* only. Sticking: Standard.




F 110
F 111

	F110	F111
Stiles	4 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "
Top rail	5 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "
Lock rail	8"	8"
Bottom rail	9 $\frac{3}{8}$ "	9 $\frac{3}{8}$ "

3-ply laminated flat panel. Furnished in grades A and B only. Sticking: Standard.

	Size of glass	
Size of door	F110	F111
2'6"x6'6"	21 $\frac{5}{8}$ "x22"	20"x22"
2'8"x6'8"	23 $\frac{5}{8}$ "x22"	22"x22"
2'10"x6'10"	25 $\frac{5}{8}$ "x22"	24"x22"
3'0"x7'0"	27 $\frac{5}{8}$ "x22"	26"x22"

Beads for glass included.

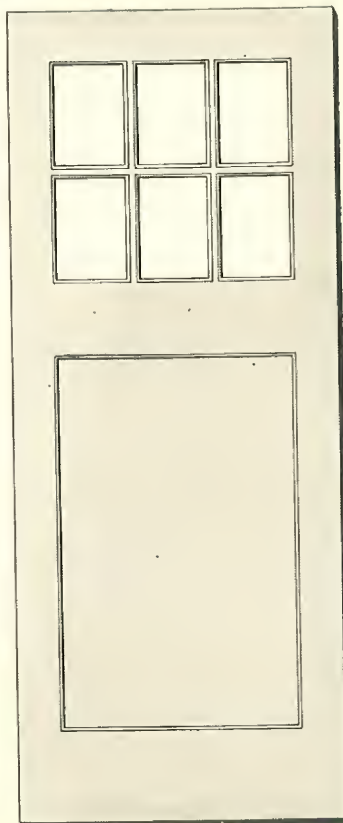
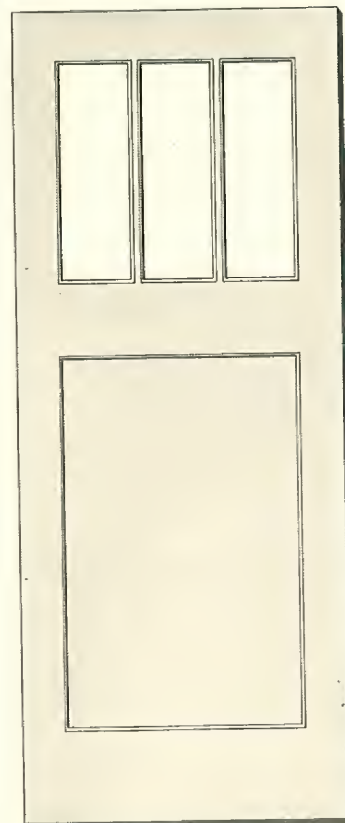
F 310
F 311

	F310	F311
Stiles	4 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "
Top rail	5 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "
Lock rail	8"	8"
Bottom rail	9 $\frac{3}{8}$ "	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass. 3-ply laminated flat panel. Furnished in grades A and B only. Sticking: Standard.

	Size of glass	
Size of door	F310	F311
2'6"x6'6"	6 $\frac{7}{8}$ "x22"	6 $\frac{5}{8}$ "x22"
2'8"x6'8"	7 $\frac{1}{2}$ "x22"	6 $\frac{15}{16}$ "x22"
2'10"x6'10"	8 $\frac{1}{4}$ "x22"	7 $\frac{9}{16}$ "x22"
3'0"x7'0"	8 $\frac{7}{8}$ "x22"	8 $\frac{1}{4}$ "x22"

Beads for glass included.


F 810
F 811

	F810	F811
Stiles	4 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "
Top rail	5 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "
Lock rail	8"	8"
Bottom rail	9 $\frac{3}{8}$ "	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass. 3-ply laminated flat panel. Furnished in grades A and B only. Sticking: Standard.

	Size of glass	
Size of door	F810	F811
2'6"x6'6"	5"x10 $\frac{3}{4}$ "	4 $\frac{5}{8}$ "x10 $\frac{3}{4}$ "
2'8"x6'8"	5 $\frac{1}{2}$ "x10 $\frac{3}{4}$ "	5 $\frac{1}{8}$ "x10 $\frac{3}{4}$ "
2'10"x6'10"	6"x10 $\frac{3}{4}$ "	5 $\frac{5}{8}$ "x10 $\frac{3}{4}$ "
3'0"x7'0"	6 $\frac{1}{2}$ "x10 $\frac{3}{4}$ "	6 $\frac{1}{8}$ "x10 $\frac{3}{4}$ "

Beads for glass included.

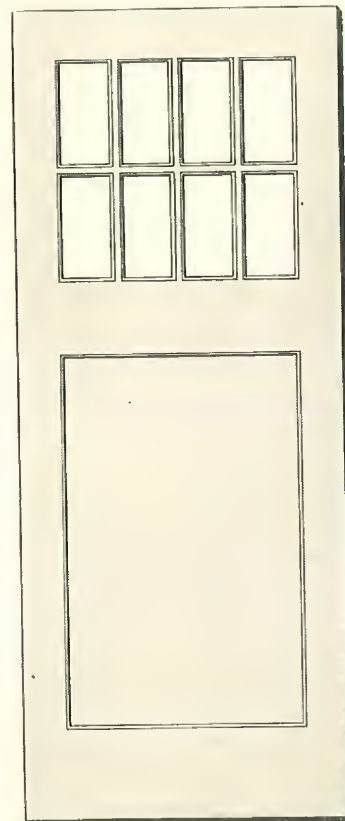
F 610
F 611

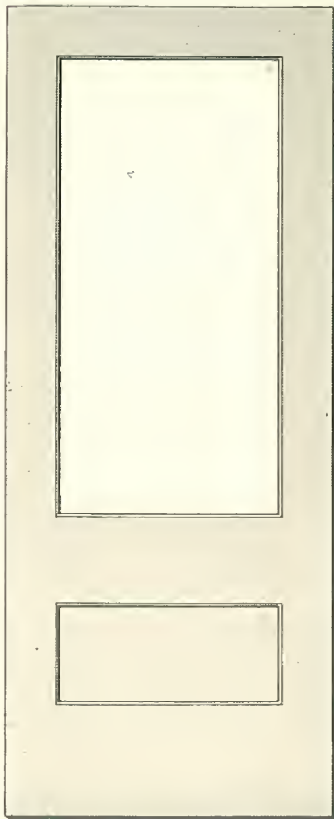
	F610	F611
Stiles	4 $\frac{1}{8}$ "	5 $\frac{3}{8}$ "
Top rail	5 $\frac{3}{8}$ "	5 $\frac{3}{8}$ "
Lock rail	8"	8"
Bottom rail	9 $\frac{3}{8}$ "	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass. 3-ply laminated flat panel. Furnished in grades A and B only. Sticking: Standard.

	Size of glass	
Size of door	F610	F611
2'6"x6'6"	6 $\frac{7}{8}$ "x10 $\frac{3}{4}$ "	6 $\frac{5}{8}$ "x10 $\frac{3}{4}$ "
2'8"x6'8"	7 $\frac{1}{2}$ "x10 $\frac{3}{4}$ "	6 $\frac{15}{16}$ "x10 $\frac{3}{4}$ "
2'10"x6'10"	8 $\frac{1}{4}$ "x10 $\frac{3}{4}$ "	7 $\frac{9}{16}$ "x10 $\frac{3}{4}$ "
3'0"x7'0"	8 $\frac{7}{8}$ "x10 $\frac{3}{4}$ "	8 $\frac{1}{4}$ "x10 $\frac{3}{4}$ "

Beads for glass included.





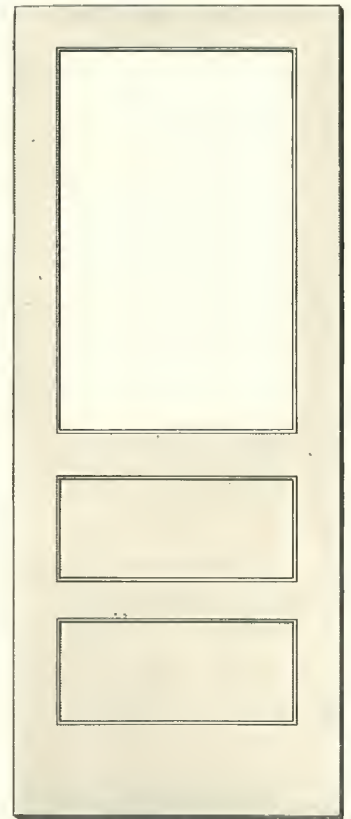
F 147

Stiles and top rail.....	5 3/8"
Lock rail	9 3/8"
Bottom rail	11 3/8"

3-ply laminated flat panel. Can also be furnished with raised panel, if desired. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'8"x6'8"	22"x46"
2'10"x6'10"	24"x48"
3'0"x7'0"	26"x50"

Beads for glass included.



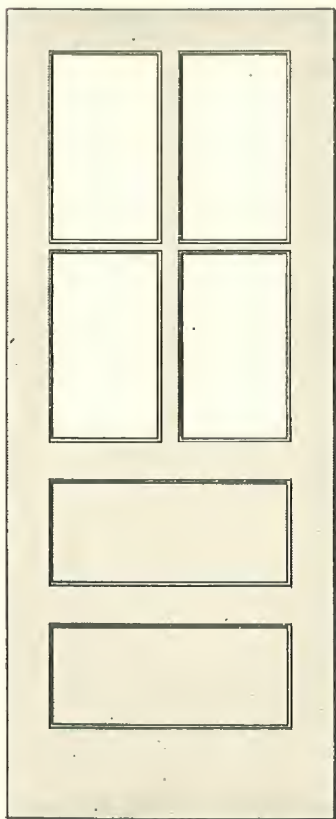
F 114

Stiles and top rail.....	4 1/8"
Intermediate rail	4 1/2"
Lock rail	5"
Bottom rail	9 3/8"

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 5/8"x36"
2'8"x6'8"	23 3/8"x38"
2'10"x6'10"	25 5/8"x40"
3'0"x7'0"	27 5/8"x42"

Beads for glass included.



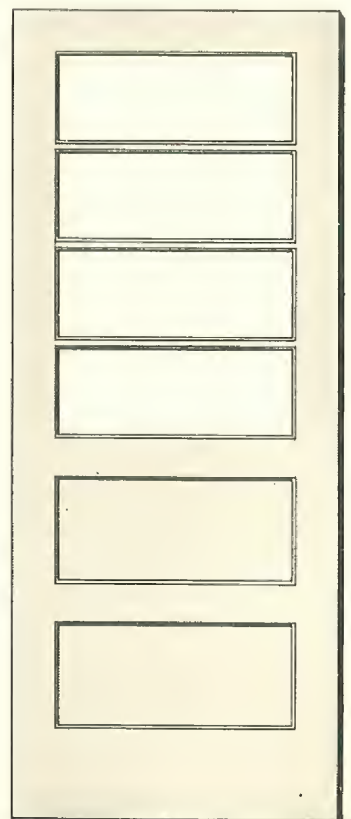
F 415 H

Stiles and top rail.....	4 3/8"
Lock and intermediate rails.....	4 1/2"
Bottom rail	9 3/8"

Bars 1/2" between glass. 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 5/8"x 8 3/4"
2'8"x6'8"	23 5/8"x 9 1/4"
2'x10"x6'10"	25 5/8"x 9 3/4"
3'0"x7'0"	27 5/8"x10 1/4"

Beads for glass included.



F 415

Stiles and top rail.....	4 3/8"
Lock and intermediate rails.....	4 1/2"
Bottom rail	9 3/8"

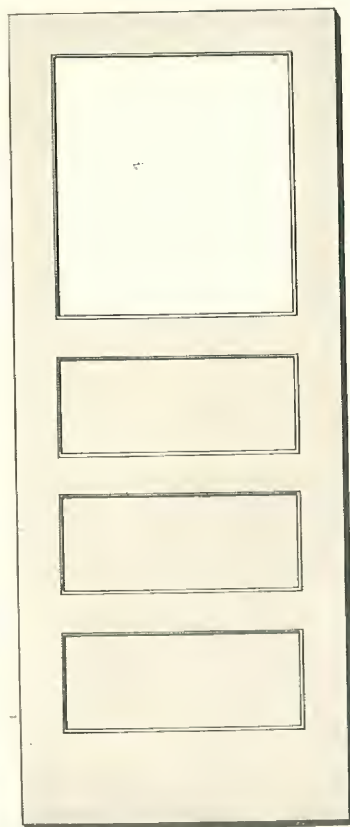
Vertical bar 1 1/8" between glass.

Horizontal bar 1/2" between glass.

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	10"x18"
2'8"x6'8"	11"x19"
2'10"x6'10"	12"x20"
3'0"x7'0"	13"x21"

Beads for glass included.



F 214
F 119 (5X PANEL LAYOUT)

Stiles and top rail	4 ⁹ / ₁₆ "
Lock and intermediate rails	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, C, and 1 ¹/₈" millrun. Sticking: Standard.

Size of door	Size of glass	
	F214	F119
2'6"x6'6"	21 ⁵ / ₈ "x24"	21 ⁵ / ₈ "x23 ⁷ / ₈ "
2'8"x6'8"	23 ⁵ / ₈ "x26"	23 ⁵ / ₈ "x24 ⁵ / ₈ "
2'10"x6'10"	25 ⁵ / ₈ "x28"	25 ⁵ / ₈ "x25 ³ / ₈ "
3'0"x7'0"	27 ⁵ / ₈ "x30"	27 ⁵ / ₈ "x26"

Beads for glass included.

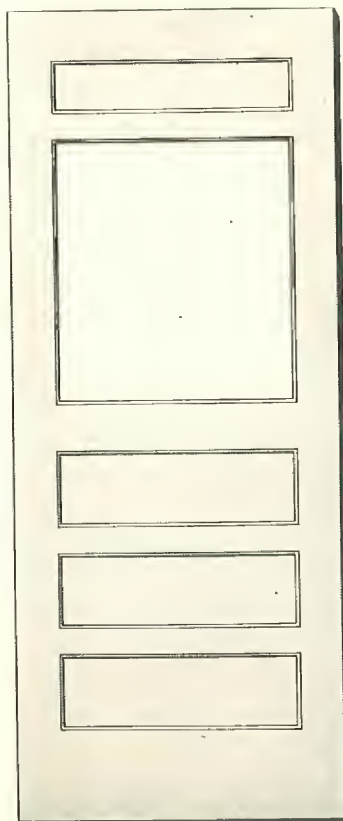
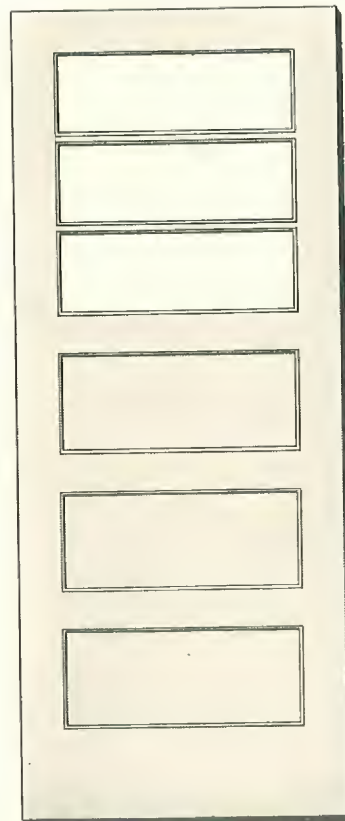
F 214 H

Stiles and top rail	4 ¹ / ₈ "
Lock and intermediate rails	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "

Bars ¹/₂" between glass. 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A and B only. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 ⁵ / ₈ "x7 ³ / ₄ "
2'8"x6'8"	23 ⁵ / ₈ "x8 ³ / ₈ "
2'10"x6'10"	25 ⁵ / ₈ "x9"
3'0"x7'0"	27 ⁵ / ₈ "x9 ³ / ₄ "

Beads for glass included.



F 117 ¹/₂

Stiles	4 ⁹ / ₁₆ "
Top and lock rails	5 ³ / ₈ "
Intermediate rails	3 ³ / ₈ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 ⁵ / ₈ "x22"
2'8"x6'8"	23 ⁵ / ₈ "x24"
2'10"x6'10"	25 ⁵ / ₈ "x26"
3'0"x7'0"	27 ⁵ / ₈ "x28"

Beads for glass included.

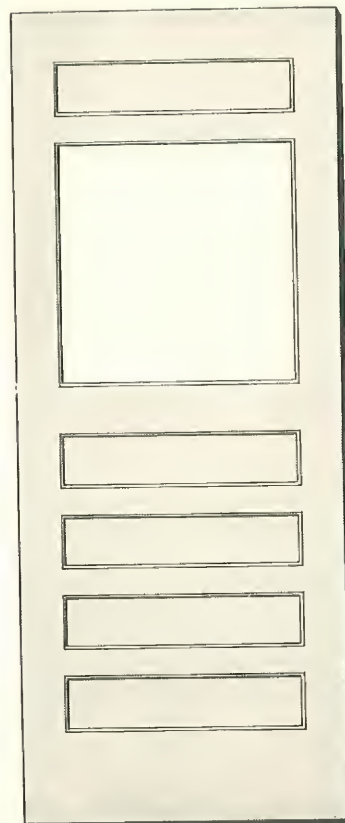
F 117

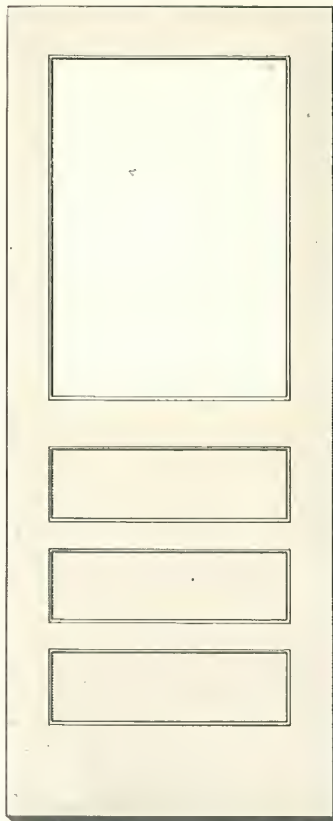
Stiles	4 ⁹ / ₁₆ "
Top and lock rails	5 ³ / ₈ "
Intermediate rails	3 ³ / ₈ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, C, and 1 ¹/₈" millrun. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 ⁵ / ₈ "x24"
2'8"x6'8"	23 ⁵ / ₈ "x26"
2'10"x6'10"	25 ⁵ / ₈ "x28"
3'0"x7'0"	27 ⁵ / ₈ "x30"

Beads for glass included.





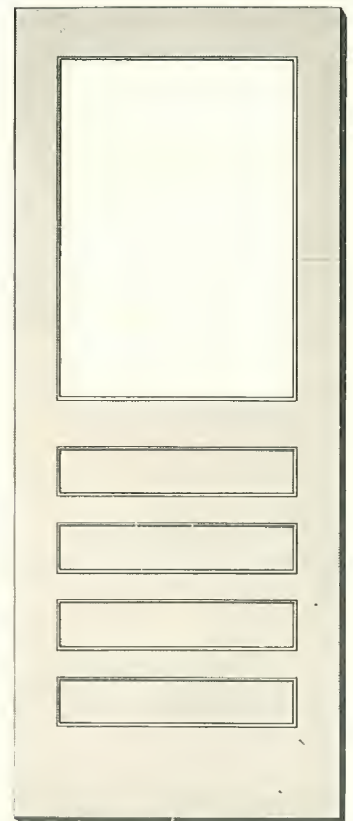
F 118

Stiles	4 1/8"
Top and lock rails	5 3/8"
Intermediate rails	3 3/8"
Bottom rail	9 3/8"

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, C, and 1 1/8" millrun. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 5/8"x32"
2'8"x6'8"	23 5/8"x34"
2'10"x6'10"	25 5/8"x36"
3'0"x7'0"	27 5/8"x38"

Beads for glass included.



F 118 1/2

Stiles	4 1/8"
Top and lock rails	5 3/8"
Intermediate rails	3 3/8"
Bottom rail	9 3/8"

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	21 5/8"x30"
2'8"x6'8"	23 5/8"x32"
2'10"x6'10"	25 5/8"x34"
3'0"x7'0"	27 5/8"x36"

Beads for glass included.

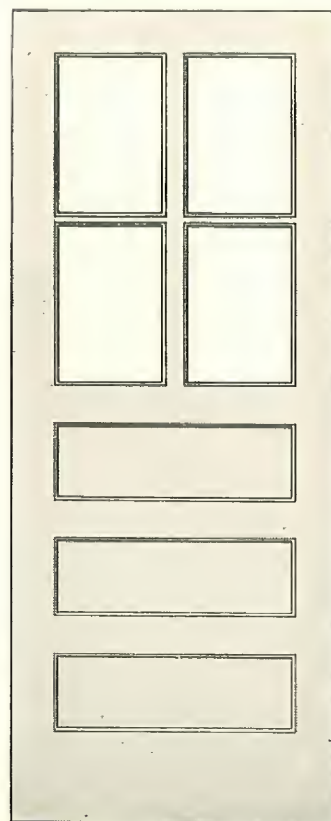
F 416

Stiles and top rail	4 1/8"
Lock rail	5 3/8"
Intermediate rails	4 1/2"
Bottom rail	9 3/8"

Vertical bar 1 1/8" between glass.

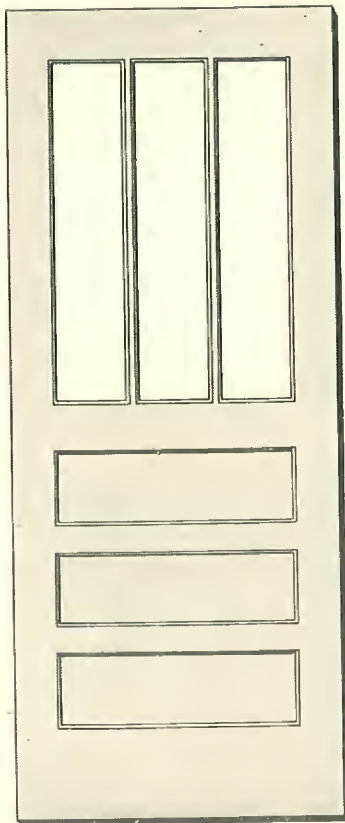
Horizontal bar 1/2" between glass.

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.



Size of door	Size of glass
2'6"x6'6"	10"x15"
2'8"x6'8"	11"x16"
2'10"x6'10"	12"x17"
3'0"x7'0"	13"x18"

Beads for glass included.

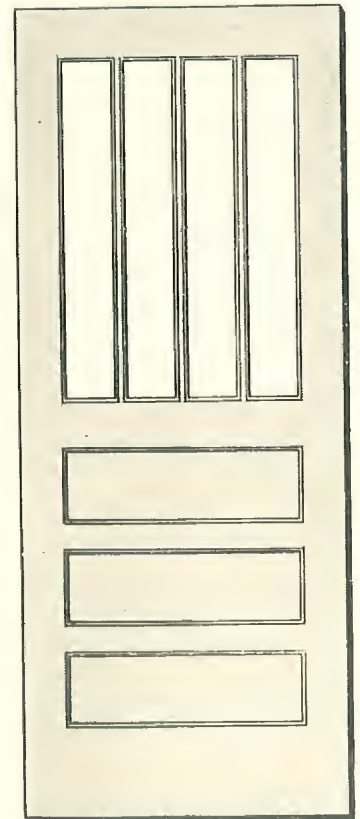
**F 318**

Stiles	4 $\frac{1}{16}$ "
Top and lock rails	5 $\frac{3}{8}$ "
Intermediate rails	3 $\frac{3}{8}$ "
Bottom rail	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass, 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	6 $\frac{7}{8}$ "x32"
2'8"x6'8"	7 $\frac{1}{2}$ "x34"
2'10"x6'10"	8 $\frac{1}{4}$ "x36"
3'0"x7'0"	8 $\frac{7}{8}$ "x38"

Beads for glass included.

**F 418**

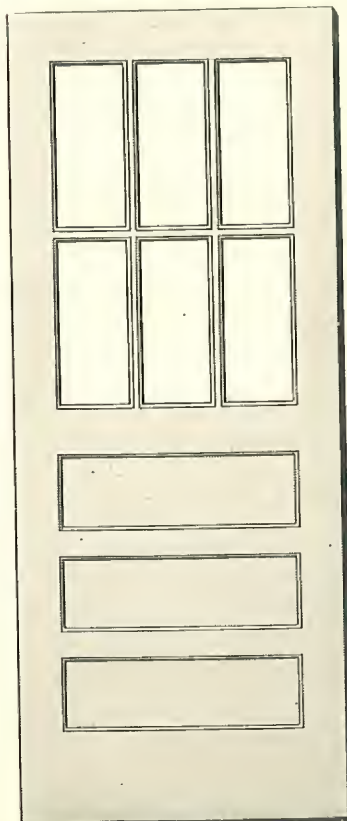
Stiles	4 $\frac{3}{16}$ "
Top and lock rails	5 $\frac{3}{8}$ "
Intermediate rails	3 $\frac{3}{8}$ "
Bottom rail	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass.

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	5" x32"
2'8"x6'8"	5 $\frac{1}{2}$ "x34"
2'10"x6'10"	6" x36"
3'0"x7'0"	6 $\frac{1}{2}$ "x38"

Beads for glass included.

**F 618**

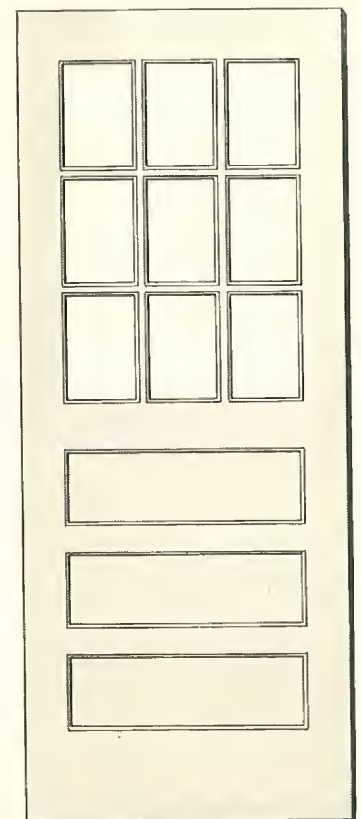
Stiles	4 $\frac{3}{16}$ "
Top and lock rails	5 $\frac{3}{8}$ "
Intermediate rails	3 $\frac{3}{8}$ "
Bottom rail	9 $\frac{3}{8}$ "

Bars $\frac{1}{2}$ " between glass.

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	6 $\frac{7}{8}$ "x10 $\frac{5}{8}$ "
2'8"x6'8"	7 $\frac{1}{2}$ "x11"
2'10"x6'10"	8 $\frac{1}{4}$ "x11 $\frac{5}{8}$ "
3'0"x7'0"	8 $\frac{7}{8}$ "x12 $\frac{5}{8}$ "

Beads for glass included.

**F 918**

Stiles	4 $\frac{3}{16}$ "
Top and lock rails	5 $\frac{3}{8}$ "
Intermediate rails	3 $\frac{3}{8}$ "
Bottom rail	9 $\frac{3}{8}$ "

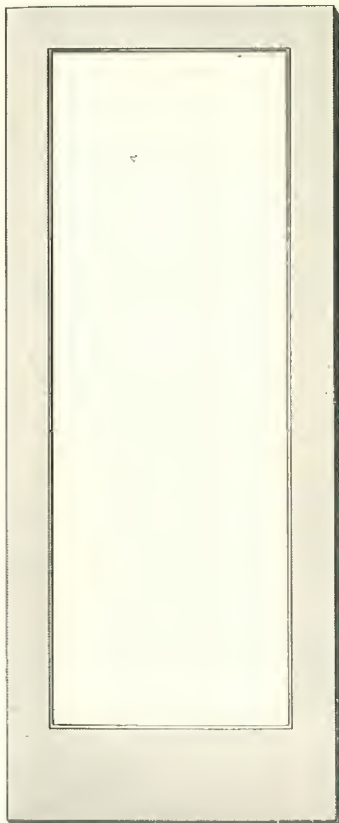
Bars $\frac{1}{2}$ " between glass.

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in grades A, B, and C. Sticking: Standard.

Size of door	Size of glass
2'6"x6'6"	6 $\frac{7}{8}$ "x15 $\frac{3}{4}$ "
2'8"x6'8"	7 $\frac{1}{2}$ "x16 $\frac{3}{4}$ "
2'10"x6'10"	8 $\frac{1}{4}$ "x17 $\frac{3}{4}$ "
3'0"x7'0"	8 $\frac{7}{8}$ "x18 $\frac{3}{4}$ "

Beads for glass included.

RIM AND FRENCH DOORS



F 35
F 36
F 37

	F35	F36	F37
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Furnished in grades A and B only. Sticking: Standard.

Size of door	F35	F36	F37
2'6"x6'6"	21 5/8"x64 1/2"	20"x62"	20"x54"
2'8"x6'8"	23 5/8"x66 1/2"	22"x64"	22"x56"
2'10"x6'10"	25 5/8"x68 1/2"	24"x66"	24"x58"
3'0"x7'0"	27 5/8"x70 1/2"	26"x68"	26"x60"

Beads for glass included.

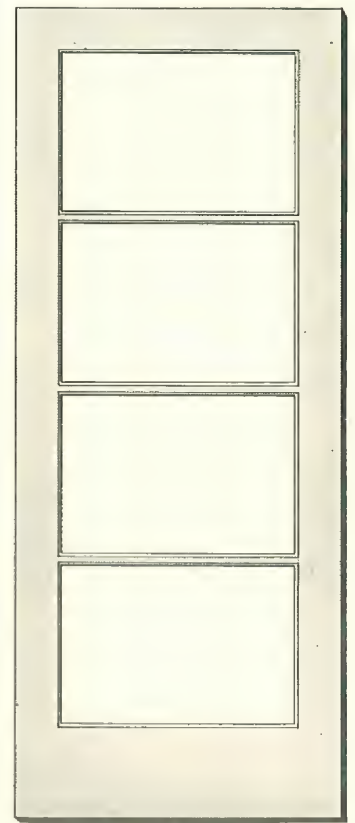
F 435
F 436
F 437

	F435	F436	F437
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door	F435	F436	F437
2'6"x6'6"	21 5/8"x15 3/4"	20x15 1/8"	20x13 1/8"
2'8"x6'8"	23 5/8"x16 1/4"	22x15 3/8"	22x13 3/8"
2'10"x6'10"	25 5/8"x16 3/4"	24x16 1/8"	24x14 1/8"
3'0"x7'0"	27 5/8"x17 1/4"	26x16 3/8"	26x14 3/8"

Beads for glass included.



F 835
F 836
F 837

	F835	F836	F837
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door	F835	F836	F837
2'6"x6'6"	21 5/8"x7 5/8"	20"x7 1/4"	20"x6 1/4"
2'8"x6'8"	23 5/8"x7 7/8"	22"x7 1/2"	22"x6 1/2"
2'10"x6'10"	25 5/8"x8 1/8"	24"x7 3/4"	24"x6 3/4"
3'0"x7'0"	27 5/8"x8 3/8"	26"x8"	26"x7"

Beads for glass included.

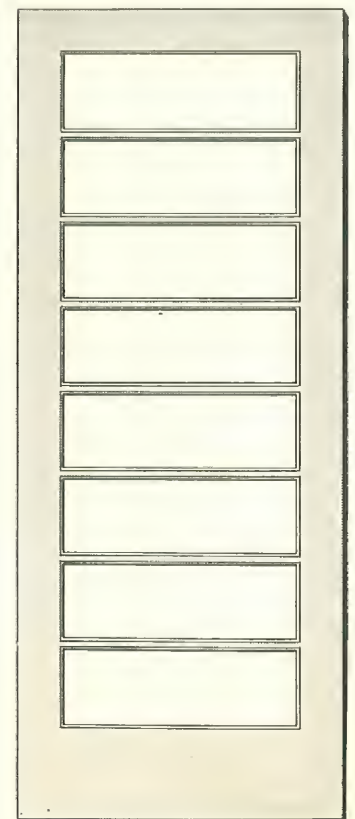
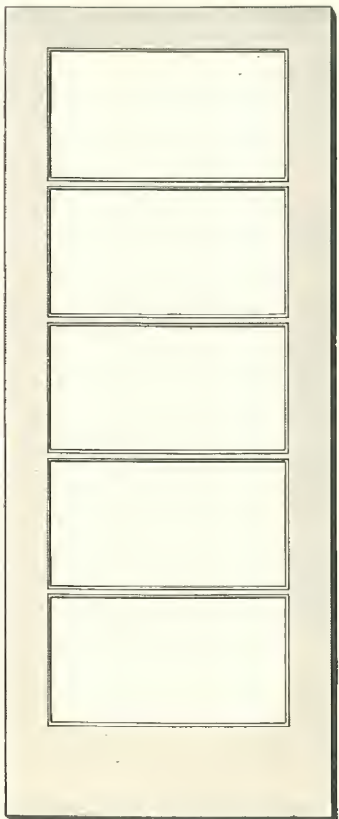
F 535
F 536
F 537

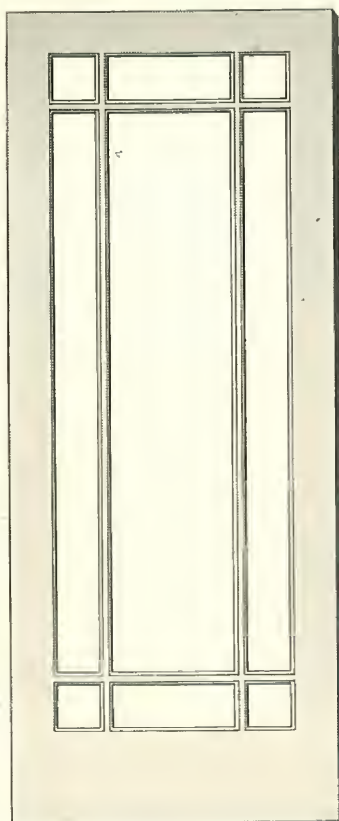
	F535	F536	F537
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door	F535	F536	F537
2'6"x6'6"	21 5/8"x12 1/2"	20x11 1/8"	20x10 3/8"
2'8"x6'8"	23 5/8"x12 1/8"	22x12 3/8"	22x10 3/4"
2'10"x6'10"	25 5/8"x13 1/8"	24x12 3/4"	24x11 1/8"
3'0"x7'0"	27 5/8"x13 3/4"	26x13 1/8"	26x11 3/8"

Beads for glass included.





F 935 M

F 936 M

	F935M	F936M
Stiles	4 1/8"	5 3/8"
Top rail	4 1/8"	5 3/8"
Bottom rail	9 3/8"	11 3/8"
Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.		

Sizes of glass (in inches)

Size of door	F935M			
2'6"x6'6" --- 5x5	5x53 3/4	5x10 1/2	10 1/2x53 3/4	
2'8"x6'8" --- 5x5	5x55 3/4	5x12 1/2	12 1/2x55 3/4	
2'10"x6'10" --- 5x5	5x57 3/4	5x14 1/2	14 1/2x57 3/4	
3'0"x7'0" --- 5x5	5x59 3/4	5x16 1/2	16 1/2x59 3/4	

Size of door	F936M			
2'6"x6'6" --- 5x5	5x50 7/8	5x 8 7/8	8 7/8x50 7/8	
2'8"x6'8" --- 5x5	5x52 7/8	5x10 7/8	10 7/8x52 7/8	
2'10"x6'10" --- 5x5	5x54 7/8	5x12 7/8	12 7/8x54 7/8	
3'0"x7'0" --- 5x5	5x56 7/8	5x14 7/8	14 7/8x56 7/8	

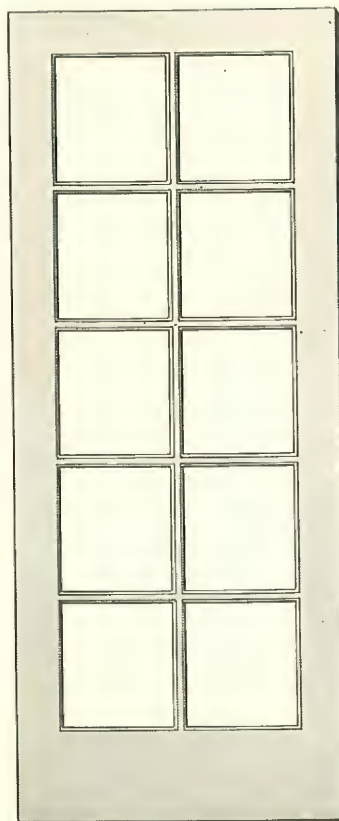
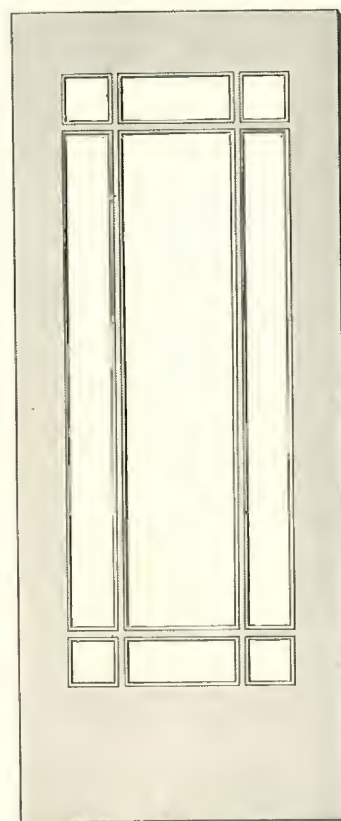
F 937 M

Stiles	5 3/8"
Top rail	6 3/8"
Bottom rail	18 3/8"
Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.	

Size of glass (in inches)

Size of door	F937M			
2'6"x6'6" --- 5x5	5x42 7/8	5x 8 7/8	8 7/8x42 7/8	
2'8"x6'8" --- 5x5	5x44 7/8	5x10 7/8	10 7/8x44 7/8	
2'10"x6'10" --- 5x5	5x46 7/8	5x12 7/8	12 7/8x46 7/8	
3'0"x7'0" --- 5x5	5x48 7/8	5x14 7/8	14 7/8x48 7/8	

Beads for glass included.



F 1235

F 1236

F 1237

	F1235	F1236	F1237
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door (same for 3 designs)	Size of glass (in inches)		
	F1235	F1236	F1237
2'6"x6'6" ---	6 1/8x15 1/8	6 5/8x15 1/8	6 5/8x13 1/8
2'8"x6'8" ---	7 1/8x16 1/4	6 1/8x15 5/8	6 1/8x13 5/8
2'10"x6'10" ---	8 1/8x16 3/4	7 3/8x16 1/8	7 3/8x14 1/8
3'0"x7'0" ---	8 1/8x17 1/4	8 1/4x16 5/8	8 1/4x14 5/8

Beads for glass included.

F 1035

F 1036

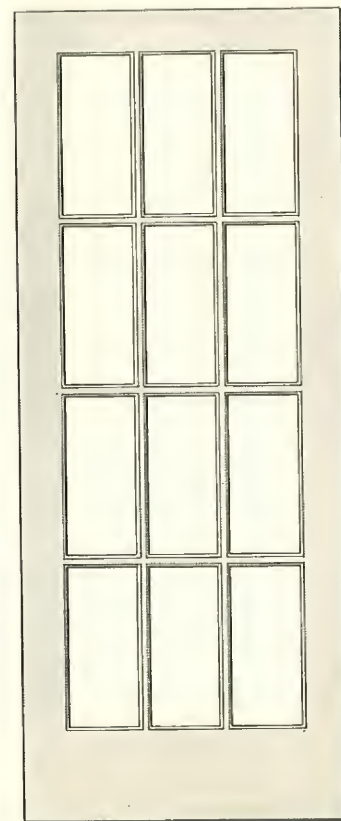
F 1037

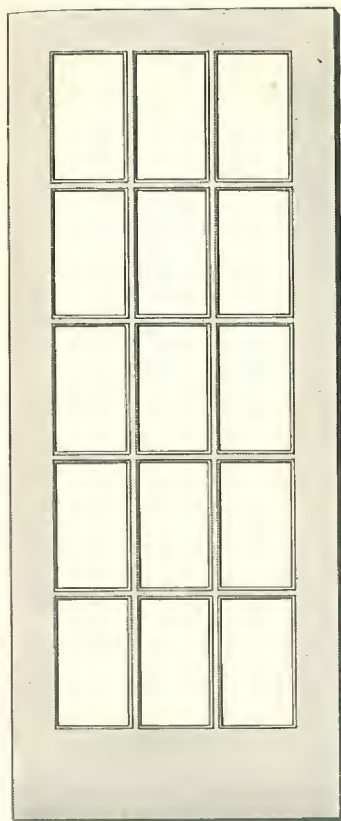
	F1035	F1036	F1037
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door (same for 3 designs)	Size of glass (in inches)		
	F1035	F1036	F1037
2'6"x6'6" ---	10 1/2x12 1/2	9 1/8x11 7/8	9 1/8x10 5/8
2'8"x6'8" ---	11 1/2x12 7/8	10 1/8x12 1/8	10 1/8x10 3/4
2'10"x6'10" ---	12 1/2x13 1/8	11 1/8x12 3/4	11 1/8x11 3/8
3'0"x7'0" ---	13 1/2x13 3/4	12 1/8x13 1/8	12 1/8x11 1/8

Beads for glass included.





F 1535
F 1536
F 1537

	F1535	F1536	F1537
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door (same for 3 designs)	Size of glass (in inches)		
	F1535	F1536	F1537
2'6"x6'6"	6 1/8 x 12 1/2	6 7/8 x 11 7/8	6 7/8 x 10 3/8
2'8"x6'8"	7 1/8 x 12 7/8	6 1/8 x 12 7/8	6 1/8 x 10 3/4
2'10"x6'10"	8 1/8 x 13 7/8	7 1/8 x 12 3/4	7 1/8 x 11 7/8
3'0"x7'0"	8 1/8 x 13 3/4	8 1/4 x 13 3/8	8 1/4 x 11 3/8

Beads for glass included.

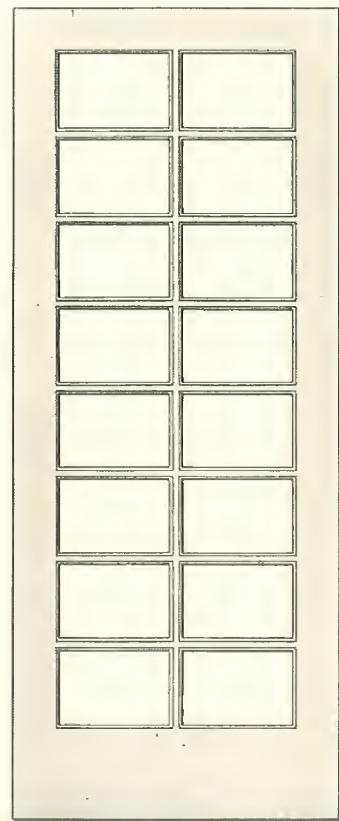
F 1635
F 1636
F 1637

	F1635	F1636	F1637
Stiles	4 1/8"	5 3/8"	5 3/8"
Top rail	4 1/8"	5 3/8"	6 3/8"
Bottom rail	9 3/8"	11 3/8"	18 3/8"

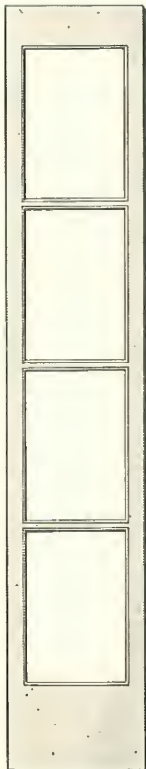
Bars 1/2" between glass. Furnished in grades A and B only. Sticking: Standard.

Size of door (same for 3 designs)	Size of glass (in inches)		
	F1635	F1636	F1637
2'6"x6'0"	10 1/2 x 7 5/8	9 1/2 x 7 1/4	9 1/2 x 6 1/4
2'8"x6'8"	11 1/2 x 7 7/8	10 1/2 x 7 1/2	10 1/2 x 6 1/2
2'10"x6'10"	12 1/2 x 8 1/8	11 1/2 x 7 3/4	11 1/2 x 6 3/4
3'0"x7'0"	13 1/2 x 8 3/8	12 1/2 x 8	12 1/2 x 7

Beads for glass included.



SIDELIGHTS



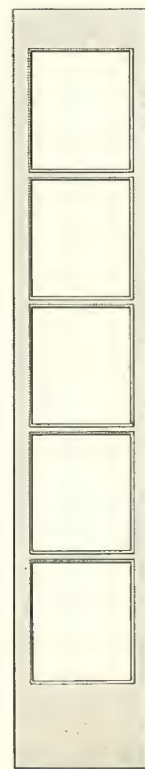
F 035
F 0435

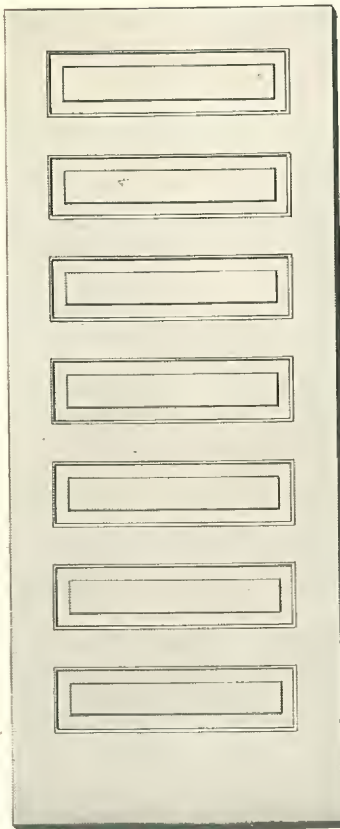
F 0535
F 0635 M

Stiles	Not over 2 1/2" wide
Top rail	Not over 6 1/2" wide
Bottom rail	Not over 18 1/2" wide

Top and bottom rails made same width as in doors with which they are used. Bars 1/2" between glass. Furnished in grade A only. Sticking: Standard.

Beads for glass included.





STORM DOORS

FS 7

Stiles and top rail	4 ³ / ₁₆ "
Intermediate rails	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in 1 ¹/₈" millrun grade only. Sticking: Standard.

FS 07

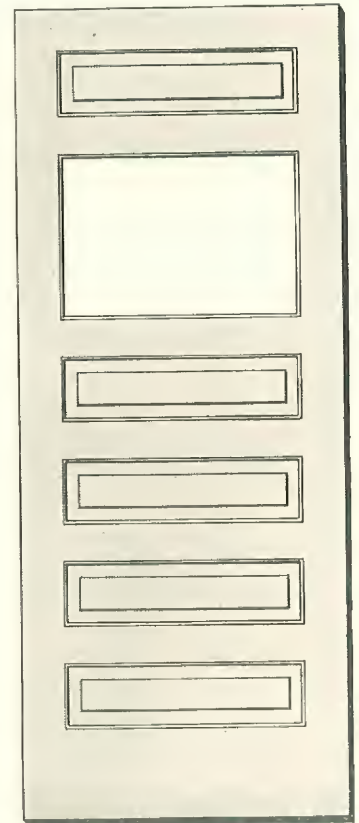
Stiles and top rail	4 ³ / ₁₆ "
Intermediate rails	4 ¹ / ₂ "
Bottom rail	9 ³ / ₈ "

3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Furnished in 1 ¹/₈" millrun grade only. Sticking: Standard.

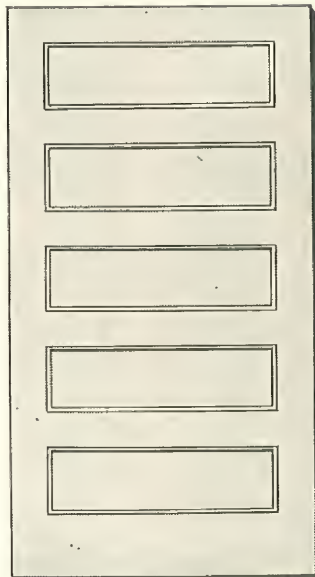
Size of door	Size of glass
2' 6 ¹ / ₂ " x 6' 7"	22" x 16 ¹ / ₂ "
2' 8 ¹ / ₂ " x 6' 9"	24" x 16 ³ / ₄ "
2' 10 ¹ / ₂ " x 6' 11"	26" x 17 ¹ / ₂ "
3' 1 ¹ / ₂ " x 7' 1"	28" x 18 ¹ / ₈ "

Beads for glass included.

Storm doors made ¹/₂" over in width and 1" over in length than corresponding standard size openings.

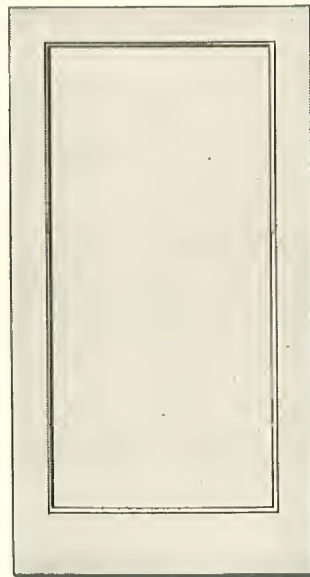


CUPBOARD DOORS



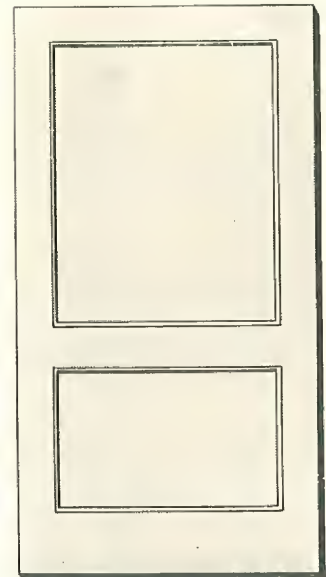
F 05

Stiles, top and cross rails	2 ³ / ₄ "	Stiles and top rail
Bottom rail	4 ¹ / ₂ "	Bottom rail



F 020

2 ³ / ₄ "	Stiles and top rail
4 ¹ / ₂ "	Cross rail
4 ¹ / ₂ "	Bottom rail



F 082

F05 Doors are made as below:	
1' 10" to 2' 2"	2 cross panel
2' 4" to 3' 0"	3 cross panel
3' 2" to 3' 10"	4 cross panel
4' 0" to 5' 6"	5 cross panel

3-ply laminated flat panels.
F05 can be furnished with raised panels.
Cupboard doors made in B and better grade only.
Sticking: Standard.



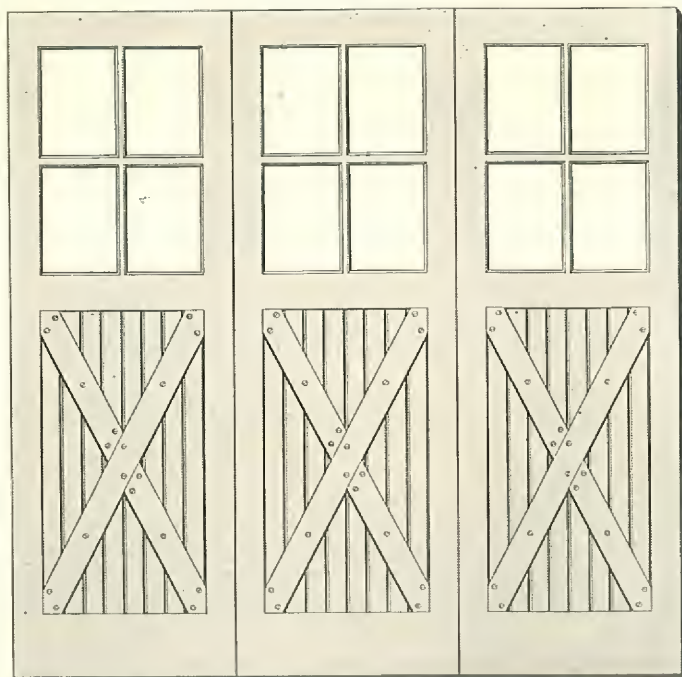
Stock Douglas Fir Garage Doors

Douglas fir garage doors, because of their durability, are recognized everywhere as standards for excellence in service. A variety of designs, including the increasingly popular volume-priced Craw-fir-dor is available to the specifier. These doors are also marked in strict conformity with U. S. Commercial Standard 73-38.

Remember!
NATURE MAKES
DOUGLAS FIR
Durable!

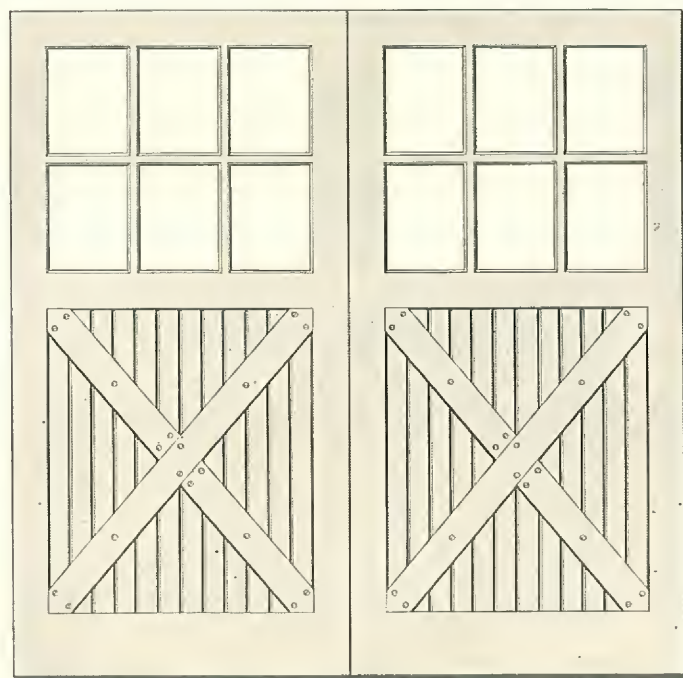
Durable Douglas Fir Doors are made
from all-heartwood, vertical-grain,
soft, old-growth Douglas Fir.

- ALL-PANEL and SASH DESIGNS
- V-GROOVE FLUSH DESIGNS
- STANDARD GLASS OPENINGS
- CRAW - FIR - DOR DESIGNS



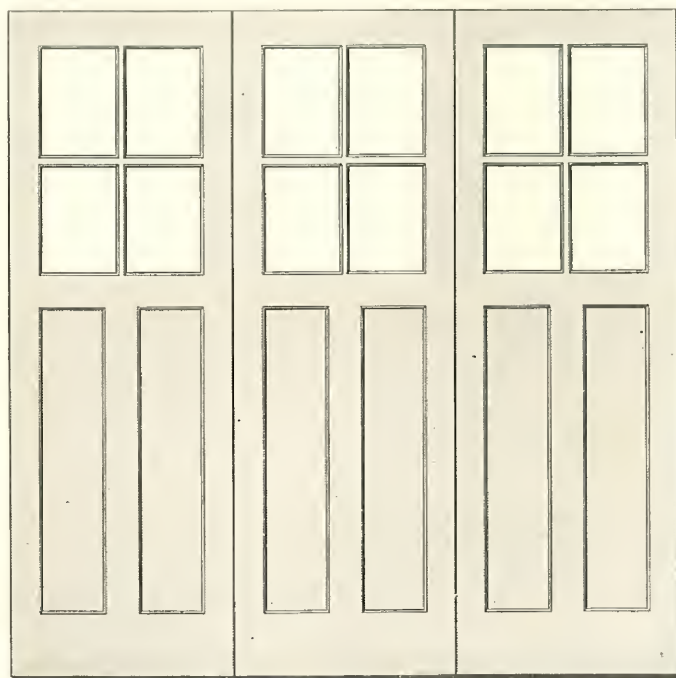
F 491

Stiles 4 ⁹/₈ "
 Top and lock rails 5 ⁵/₈ "
 Bottom rail 9 ³/₈ "
 Vertical bars ⁵/₈ " between glass. Horizontal bars 1" between glass.
 Ceiling panels. Cross braces screwed on. Sticking: Standard.
 Beads for glass included.



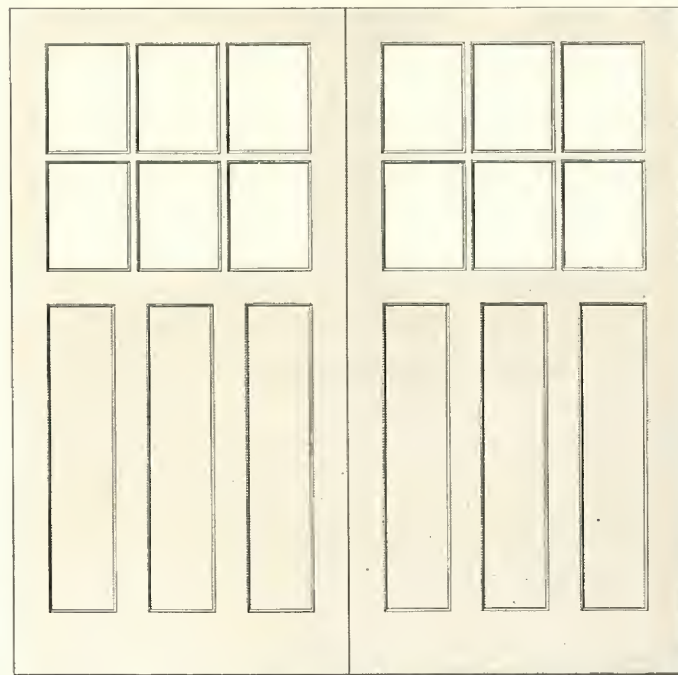
F 691

Stiles, top and lock rails 5 ³/₈ "
 Bottom rail 9 ³/₈ "
 Vertical and horizontal bars 1" between glass.
 Ceiling panels. Cross braces screwed on. Sticking: Standard. Beads
 for glass included.



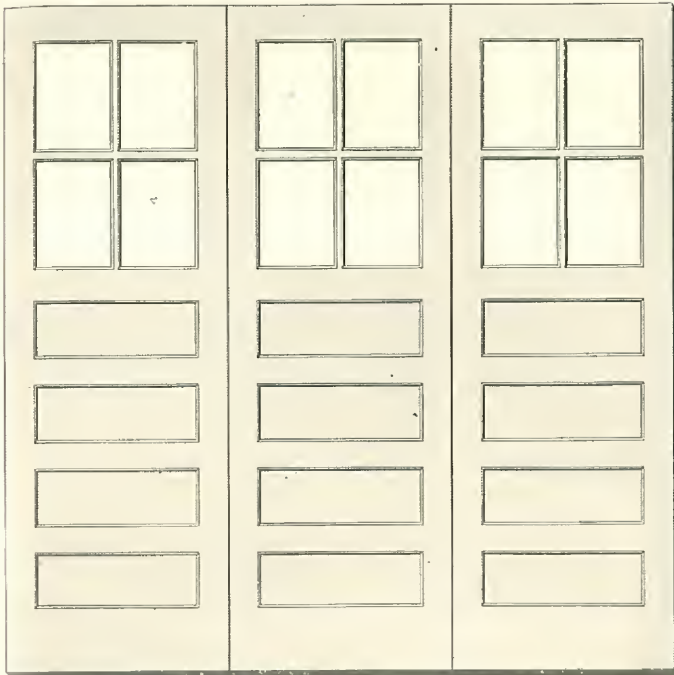
F 493

Stiles 4 ⁹/₈ "
 Top and lock rails 5 ⁵/₈ "
 Muntin 5 ⁵/₈ "
 Bottom rail 9 ³/₈ "
 Vertical bars, ⁵/₈ " between glass. Horizontal bars, 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised
 panels, if desired. Sticking: Standard.
 Beads for glass included.



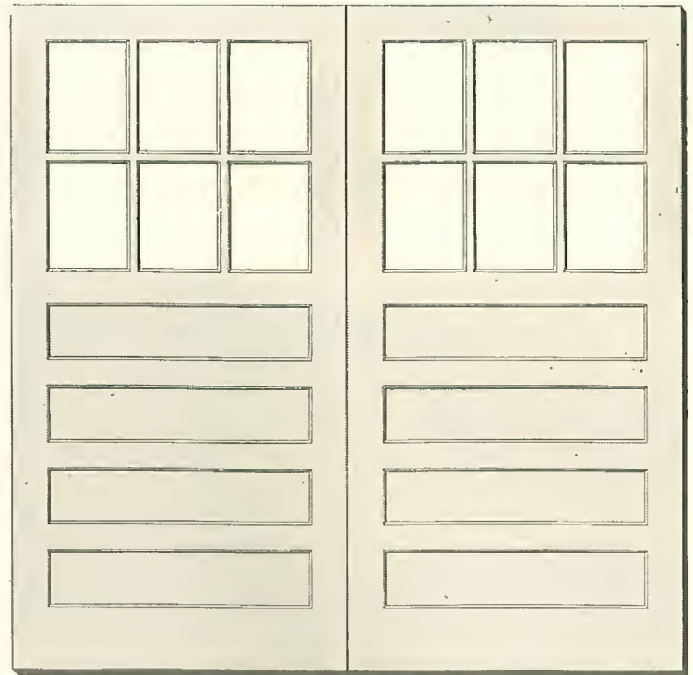
F 693

Stiles, top and lock rails 5 ³/₈ "
 Muntins 5 ³/₈ "
 Bottom rail 9 ³/₈ "
 Vertical and horizontal bars, 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised
 panels, if desired. Sticking: Standard.
 Beads for glass included.



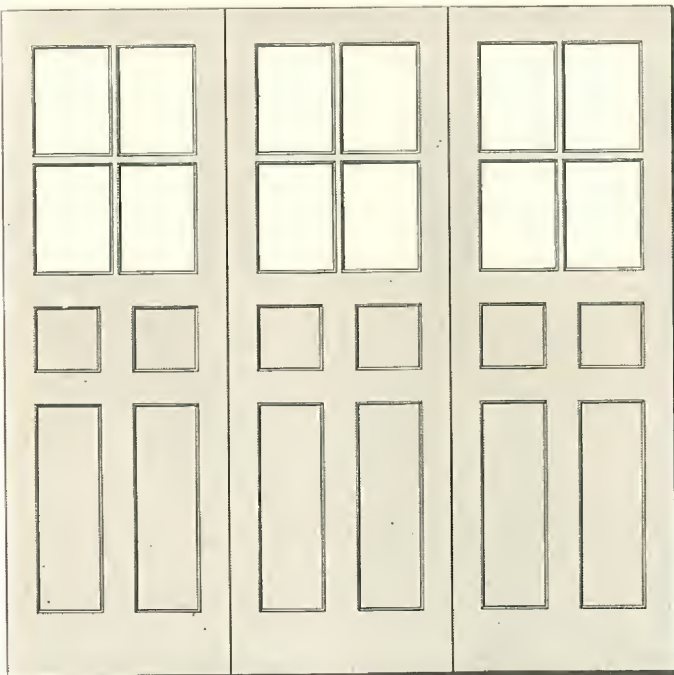
F 495

Stiles 4 1/8"
 Top and lock rails 5 3/8"
 Intermediate rails 4 1/8"
 Bottom rail 9 3/8"
 Vertical bars, 5/8" between glass. Horizontal bars, 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard. Beads for glass included.



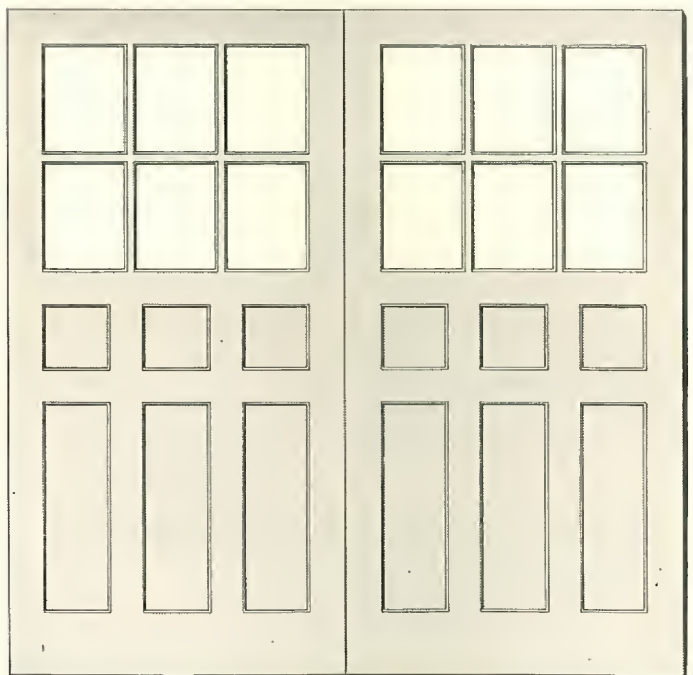
F 695

Stiles, top and lock rails 5 3/8"
 Intermediate rails 4 1/8"
 Bottom rail 9 3/8"
 Vertical and horizontal bars, 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard. Beads for glass included.



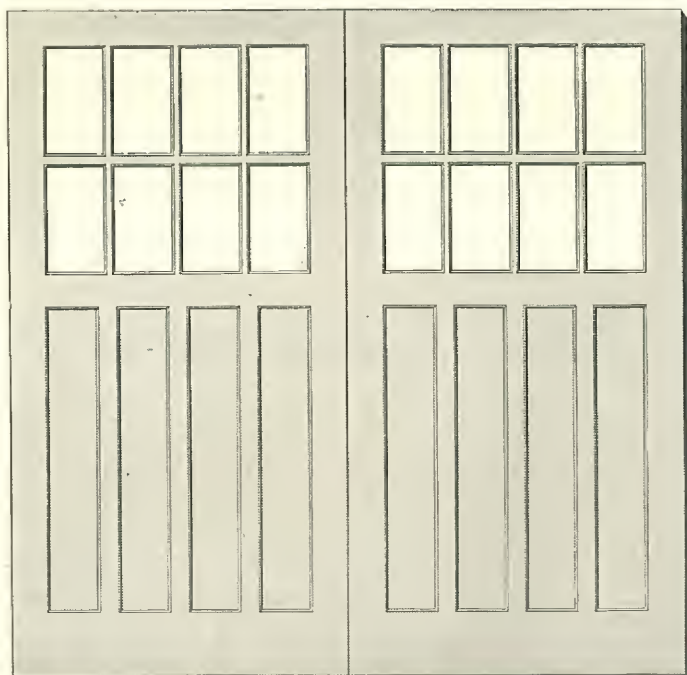
F 496

Stiles 4 1/8"
 Top, intermediate, lock rails and muntins 5 3/8"
 Bottom rail 9 3/8"
 Height of top pane's 9 5/8", shoulder to shoulder.
 Vertical bars 5/8" between glass. Horizontal bars 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard. Beads for glass included.
 Full panel doors in this design (18 panels per set) specify F096S.



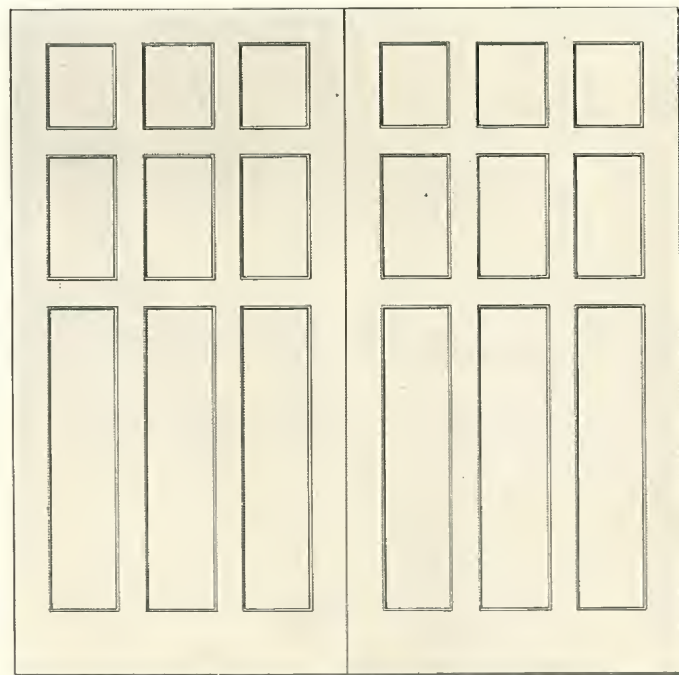
F 696

Stiles, top, intermediate, lock rails and muntins 5 3/8"
 Bottom rail 9 3/8"
 Height of top pane's 9 5/8", shoulder to shoulder.
 Vertical and horizontal bars 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard.
 Beads for glass included.
 Full panel doors in this design (18 panels per pair) specify F096.



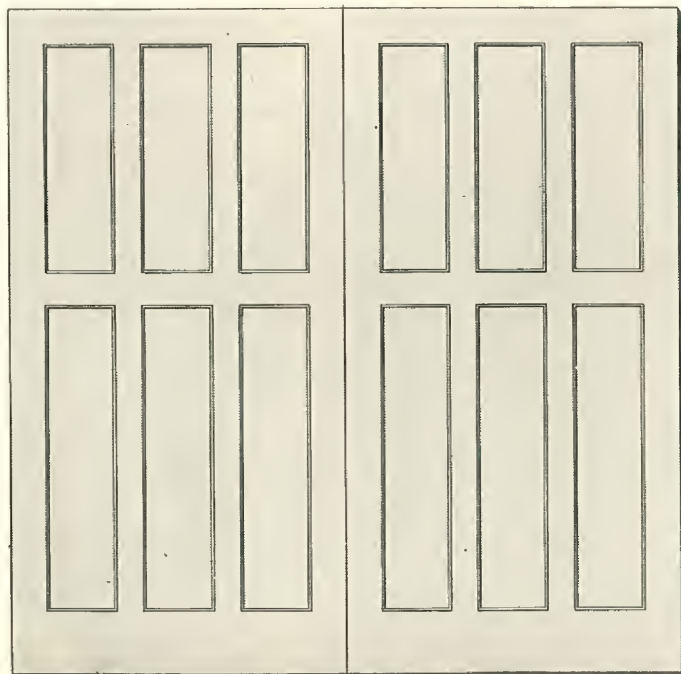
F 894

Stiles, top and lock rails..... 5 $\frac{3}{8}$ "
 Muntins 3 $\frac{1}{4}$ "
 Bottom rail 9 $\frac{3}{8}$ "
 Vertical bars $\frac{5}{8}$ " between glass. Horizontal bars 1" between glass.
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard. Beads for glass included.
 Size of door
 3'6"x7'0" 7 $\frac{1}{2}$ "x13" 3'9"x7'6" & 3'9"x8'0" 8 $\frac{1}{8}$ "x16"
 3'6"x7'6" & 3'6"x8'6" 7 $\frac{1}{2}$ "x16" 4'0"x7'0" 9"x13"
 3'9"x7'0" 8 $\frac{1}{8}$ "x13" 4'0"x7'6" & 4'0"x8'0" 9"x16"



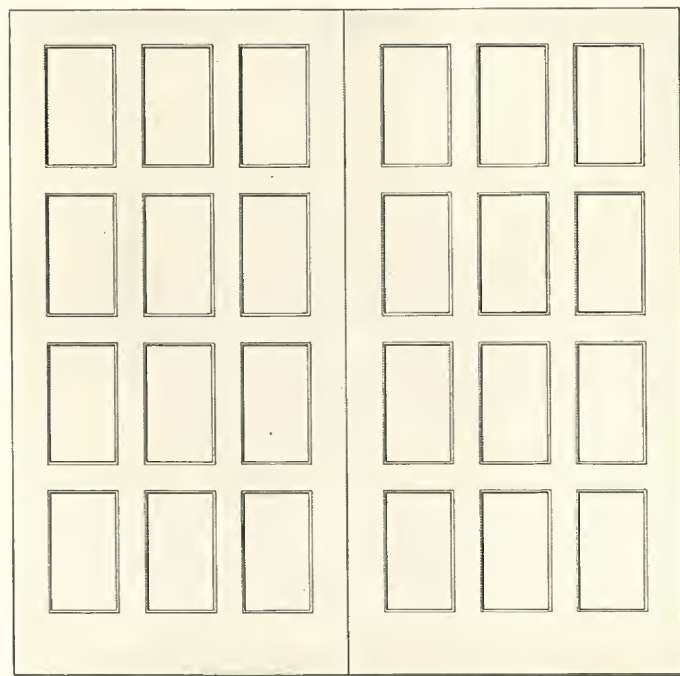
F 099

Stiles, top and lock rails... 5 $\frac{3}{8}$ " Muntin 5 $\frac{3}{8}$ "
 Intermediate rails 5 $\frac{3}{8}$ " Bottom Rail 9 $\frac{3}{8}$ "
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard. Bottom panels of this door to line up with F693. On 8'0" and 7'6" sizes, top panels are 12 $\frac{5}{8}$ " high from shoulder to shoulder, and on 7'0" doors top panels are 9 $\frac{5}{8}$ " high from shoulder to shoulder.
 This design in sets of 3 doors (18 panels per set) specify F099S.



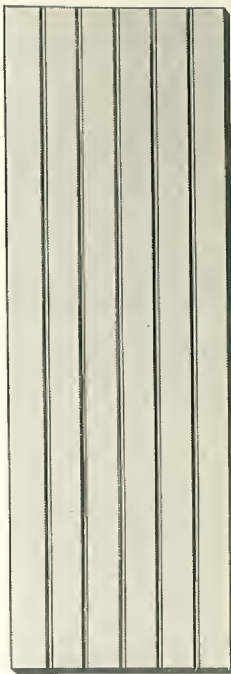
F 093

Stiles, top and lock rails... 5 $\frac{3}{8}$ " Muntin 5 $\frac{3}{8}$ "
 Bottom Rail 9 $\frac{3}{8}$ "
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard.
 This design in sets of 3 doors (12 panels per set) specify F093S.



F 0912

Stiles, top and lock rails... 5 $\frac{3}{8}$ " Muntin 5 $\frac{3}{8}$ "
 Intermediate rails 5 $\frac{3}{8}$ " Bottom Rail 9 $\frac{3}{8}$ "
 3-ply laminated flat panels. Can also be furnished with raised panels, if desired. Sticking: Standard.
 This design in sets of 3 doors (24 panels per set) specify F0912S.



F 190

V. G. flush garage door in sets, without glass openings (blank) as shown, or with standard glass openings.

Each side of each door with 6 batts ("V" ceiling strips) wide, 5 "V" grooves.

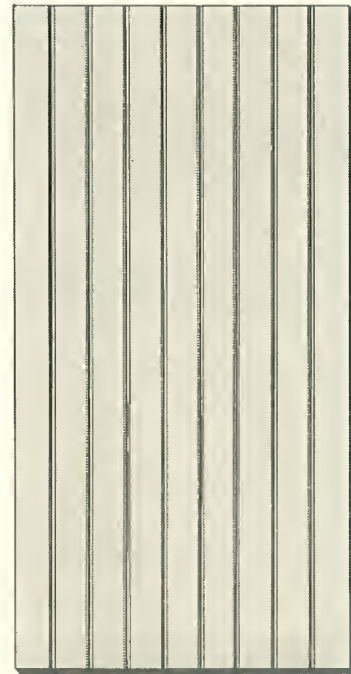
Stiles full thickness of door with intervening ceiling strips glued and nailed to core.

Sets of 3, standard width of each door 2'8".

One light per door, standard, placed 18" from top of door. Glass size 10 $\frac{5}{8}$ "x16", beads tacked in.

Metal bars or leaded glass recommended for divided light effect, if desired.

Made in 1 $\frac{3}{4}$ " thickness only.



F 290

V. G. flush garage door in pairs, without glass openings (blank) as shown, or with standard glass openings.

Each side of each door with 9 batts ("V" ceiling strips) wide, 8 "V" grooves.

Stiles full thickness of door with intervening ceiling strips glued and nailed to core.

Standard width of each door in pairs, 4'0".

Two lights per door, standard, placed 18" from top of door. Glass size 10 $\frac{5}{8}$ "x16", beads tacked in.

Metal bars or leaded glass recommended for divided light effect, if desired.

Made in 1 $\frac{3}{4}$ " thickness only.

Standard Glass Openings for Standard Garage Door Designs

SETS 4 lights per door		Size of glass
Size of door		
2'0"x7'6"	-----	9 $\frac{1}{2}$ "x16"
2'0"x8'0"	-----	9 $\frac{1}{2}$ "x16"
2'6"x7'0"	-----	10 $\frac{1}{2}$ "x13"
2'6"x7'6"	-----	10 $\frac{1}{2}$ "x16"
2'6"x8'0"	-----	10 $\frac{1}{2}$ "x16"
2'8"x7'0"	-----	11 $\frac{1}{2}$ "x13"
2'8"x7'6"	-----	11 $\frac{1}{2}$ "x16"
2'8"x8'0"	-----	11 $\frac{1}{2}$ "x16"

PAIRS 6 lights per door		Size of glass
Size of door		
3'6"x7'0"	-----	10"x13"
3'6"x7'6"	-----	10"x16"
3'6"x8'0"	-----	10"x16"
3'9"x7'0"	-----	11"x13"
3'9"x7'6"	-----	11"x16"
3'9"x8'0"	-----	11"x16"
4'0"x7'0"	-----	12"x13"
4'0"x7'6"	-----	12"x16"
4'0"x8'0"	-----	12"x16"

Craw-Fir-Dor

SELF ENERGIZING • ONE PIECE • OVERHEAD TYPE

THE PRE-FITTED LOW-COST

A new overhead-type garage door, complete with packaged hardware, is now available to all sash and door distributors under the trade name Craw-Fir-Dor.

This new door was developed to meet the demand for a practical, easy to install, foolproof, overhead-type door that would sell at a price that would be within the means of every garage owner in the United States.

The Craw-Fir-Dor meets all of these qualifications. The lumber dealer is therefore in a position to re-enter the overhead garage door market with an item that is profitable to handle, and has no installation or maintenance problems to overcome.

Craw-Fir-Dors are sold only as one unit, made up of the durable Douglas fir doors and the hardware. The hardware is not available except with the predrilled fir doors.

Orders for Craw-Fir-Dors should be directed toward your regular source of supply for Douglas fir doors and the exact Design number should be specified.



CRAW-FIR-DOR DESIGN NO. 38

The Craw-Fir-Dor is pre-fitted for standard 8' x 7' openings. The door units are pre-drilled at the factory to receive the hardware, which is packaged in one compact carton. The door and the hardware together weigh approximately 150 pounds, weight depending on exact door specified.

Only 2" headroom and 2" sideroom are required to install a Craw-Fir-Dor. Steel weatherstrips to prevent rattling, warping or sagging are provided.



Craw-Fir-Dors swing upward out of the way so easily that even a child can unlatch the door. No tugging or pulling is necessary.



Many multiple installations have specified Craw-Fir-Dors because they are low in cost, foolproof, easy to operate.



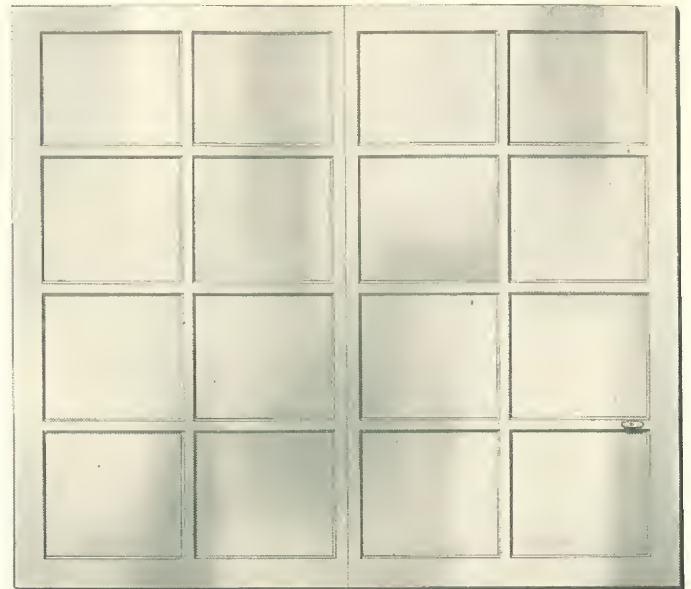
Craw-Fir-Dor
 SELF ENERGIZING • ONE PIECE • OVERHEAD TYPE

OVERHEAD-TYPE GARAGE DOOR



CRAW-FIR-DOR DESIGN NO. 39
 (Glass size 10"x8")

This quality, free-spinning, automobile trunk-type lock is furnished at no extra cost with every set of Craw - Fir - Dor hardware.



CRAW-FIR-DOR DESIGN NO. 40

The Craw-Fir-Dor is available in three beautiful designs as reproduced on these pages.

The simplicity of the layout of the doors makes them adaptable to virtually any architectural style—modern or traditional.

The panels in the Craw-Fir-Dors are given a priming coat at the factory as additional protection against moisture penetration. These doors may also be purchased with hot-pressed resin-bonded panels at an additional charge per set.

Craw-Fir-Dors are made only of genuine Douglas fir—the superior Pacific Northwest wood which is made durable by nature and requires no special treating. The doors are assembled by the highly skilled workmen of the huge fir door factories that have manufactured millions of quality stock doors annually for many years.

Craw-Fir-Dor hardware is manufactured by the Crawford Door Company of Detroit, Michigan, holders of the patents on the door. With a background of experience in making garage door hardware for many years, the maintaining of quality in Craw-Fir-Dor hardware is assured.

Details for framing typical openings to receive the 8' x 7' Craw - Fir - Dor whether the garage is of wood, brick or concrete, or brick or concrete with wood jambs.

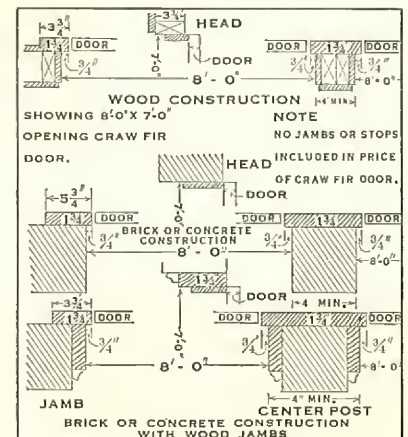




Photo Courtesy U. S. Forest Service

QUALITY STOCK DOORS FROM DURABLE DOUGLAS FIR TREES



The giant Douglas fir, which grows only on the western slope of the Cascade mountains in Washington and Oregon, is one of the two strongest structural timbers known and the world's most valuable commercial tree.

Because of unusually favorable silvicultural conditions, including an abundance of rainfall, lack of severe winds, and rich soil, these trees are truly nature's giants, many of them larger than anything that has ever grown on earth.

Their very size, therefore, means that they are preponderantly heartwood and because there is such a small percentage of sapwood, Douglas fir is highly durable. Furthermore, according to government handbooks, Douglas fir heartwood is in itself one of the most durable species even under conditions favorable to decay.

In addition, Douglas fir doors are uniform in quality, being carefully manufactured according to the exact specifications contained in United States Commercial Standard 73-38. This standard also provides for grade marking for ready identification.

Physical characteristics of Douglas fir doors, other than their high durability, include unusual strength and stiffness, a surface hardness which is not easily marred, high nail holding properties, and relative freedom from warping tendencies.

Durable, uniform in quality, readily available, styled to conform with architectural trends, easy to work and finish, Douglas fir stock doors meet every criterion of a quality, serviceable stock door item.



